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OF THE

UNITED STATES

DEPARTMENT OF AGRICULTURE

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EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

LETTER

FROM

THE SECRETARY OF AGRICULTURE,

TRANSMITTING

A detailed statement of expenditures of all appropriations for the Department of Agriculture for the fiscal year ending June 30, 1893.

DECEMBER 5, 1893.—Referred to the Committee on Expenditures in the Department of Agriculture and ordered to be printed.

U. S. DEPARTMENT OF AGRICULTURE,
OFFICE OF THE SECRETARY,
Washington, D. C., November 18, 1893.

SIR: In conformity to law I have the honor to present herewith to Congress a detailed statement of the expenditures of all appropriations for the Department of Agriculture for the fiscal year ended June 30, 1893.

Very respectfully,

J. STERLING MORTON,
Secretary.

The SPEAKER OF THE HOUSE OF REPRESENTATIVES.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1893.

SALARIES.

J. M. Rusk	5,466.66	A. E. Barbour	1,200.00
Edwin Willits	4,500.00	Carrie Harrison	1,200.00
J. Sterling Morton	2,533.33	M. G. Champney	1,200.00
B. F. Fuller	2,500.00	S. M. Huddleson	1,200.00
C. V. Riley	2,500.00	M. A. Mahon	1,200.00
C. Hart Merriam	2,500.00	J. F. James	1,200.00
Thos. Taylor	2,500.00	M. S. Tidd	1,200.00
H. W. Wiley	2,500.00	M. A. Robins	1,200.00
Geo. Wm. Hill	2,500.00	W. R. Scholl	1,200.00
Wm. Saunders	2,500.00	W. H. Prestele	1,200.00
H. E. Van Deman	2,397.00	D. Olszewski	1,200.00
J. W. Stone	2,000.00	Frank Muller	1,200.00
B. T. Galloway	2,000.00	J. C. Wright	1,200.00
B. E. Fernow	2,000.00	Ella Edwards	1,200.00
Geo. Marx	2,000.00	E. E. Ewell	1,159.06
Otto Heidemann	2,000.00	E. G. Runyan	1,101.10
J. R. Dodge	1,875.00	F. E. L. Beal	1,098.90
E. H. Stevens	1,800.00	D. J. Olin	1,061.54
Geo. A. Bacon	1,800.00	E. L. Phillips	1,052.71
F. L. Evans	1,800.00	Henry Phelps	1,050.00
R. E. Smith	1,800.00	D. G. Fairchild	1,050.00
L. O. Howard	1,800.00	F. C. Cox	1,023.06
L. S. Williams	1,800.00	J. K. Wharton	1,000.00
Talma Drew	1,713.02	S. E. Jenkins	1,000.00
Henry Casson	1,708.31	R. B. Blankman	1,000.00
Geo. Vasey	1,687.50	Eugenia Cuthbert	1,000.00
J. P. Peck	1,664.80	Kate Sanders	1,000.00
Jno. P. Church	1,651.70	W. W. Jones	1,000.00
H. B. Cannon	1,600.00	Maggie Taylor	1,000.00
C. D. Campbell	1,600.00	F. E. Carter	1,000.00
F. N. Gregory	1,600.00	E. L. Clarke	1,000.00
Eva H. Quinn	1,600.00	V. M. Petricolas	1,000.00
J. B. Bennett	1,600.00	A. M. Key	1,000.00
J. A. Harvey	1,600.00	Janie A. Bell	1,000.00
B. E. Shepherd	1,600.00	A. C. Baldwin	1,000.00
Geo. R. Simmons	1,600.00	R. S. Clifton	1,000.00
F. R. Van Auker	1,600.00	Ada B. Morrison	1,000.00
S. R. Burch	1,600.00	I. J. Nickols	1,000.00
Allen Dodge	1,600.00	M. C. Stoddart	1,000.00
E. V. O'Brien	1,600.00	Lawrence Gallagher	1,000.00
J. W. Hall	1,600.00	Jennie McCreary	1,000.00
J. N. Rose	1,600.00	Geo. L. Whitmore	1,000.00
Theo. Pergande	1,600.00	Louis C. C. Krieger	1,000.00
T. S. Palmer	1,600.00	James Halley	1,000.00
Wm. A. Taylor	1,600.00	E. L. Hart	991.72
K. P. McElroy	1,600.00	Thora Steineger	959.28
V. Hallenbeck	1,600.00	Jennie N. Ferris	949.45
G. L. Spencer	1,594.53	H. B. Nicholson	949.17
A. K. Fisher	1,500.00	Oma Carr	945.65
Jas. S. Stocking	1,468.10	Clark P. Streator	935.80
A. T. Longley	1,468.10	William K. Krug	902.19
S. A. Benter	1,400.00	H. Larroque	900.00
M. D. Newell	1,400.00	Thos. Riggles	900.00
Edmund Burke	1,400.00	Alice Miller	900.00
M. Helen Burr	1,400.00	A. M. Wright	884.60
Helen Gardner	1,400.00	Chas. Irish	873.61
Louise Breedin	1,400.00	M. E. Skinner	858.42
Carrie L. DuBois	1,400.00	M. A. Goodchild	840.00
M. McCutchen	1,400.00	M. S. Bowie	840.00
Anna Montgomery	1,400.00	Benson Stearns	840.00
Geo. R. Ferguson	1,400.00	F. O. Smalley	840.00
E. G. Latham	1,400.00	S. C. Alexander	840.00
J. M. Holzinger	1,400.00	Amelia Lewis	840.00
F. H. Chittenden	1,400.00	Joseph Williams	840.00
John Dugan	1,400.00	Jacob Adams	840.00
Geo. B. Sudworth	1,400.00	A. F. English	840.00
W. S. D. Haines	1,400.00	C. B. Clark	833.11
Lillie Sullivan	1,400.00	Wm. P. Corsa	832.40
R. Cowing	1,400.00	A. E. Woulfe	832.40
John D. Jones	1,399.97	F. L. J. Boeltcher	787.53
A. G. Masius	1,369.60	F. V. Coville	784.72
B. W. Snow	1,350.02	D. MacCuaig	770.83
Nathaniel Shatswell	1,223.09	F. A. Bartholow	770.80
Erle Lyons	1,200.00	L. G. Grigsby	745.35
V. Miller	1,200.00	Wm. H. Joslin	722.23
Alice Henkel	1,200.00	Geo. W. Connolly	720.00
Thos. J. Ray	1,200.00	A. L. Berry	720.00
C. B. Finckel	1,200.00	S. E. Bowen	720.00
S. F. Thomas	1,200.00	J. E. M. Ghand	720.00
C. K. Bragoon	1,200.00	Juliet King	720.00
M. M. Ingram	1,200.00	Thos. Rutledge	720.00
Flora Schmidt	1,200.00	E. W. Whitehead	720.00
S. F. Seaton	1,200.00	Hiram P. Hottenstein	720.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

SALARIES—Continued.

W. D. Bigelow	700.00	Margaret McCuaig	214.80
A. J. Hodges	690.37	Jacob Simpson	210.97
M. C. Montgomery	671.80	N. H. Eggleston	200.03
Thad. Fairfax	660.00	J. W. Purman	190.97
John S. Charleson	633.33	Jas. M. Watts	176.94
A. T. Goshon	630.00	E. T. Giers	171.20
L. T. Harrison	630.00	W. N. Irvin	167.60
Robt. Taylor	628.97	A. E. Donaldson	167.60
Henry A. Robinson	625.00	M. E. McLouth	163.90
E. W. Brown	600.00	H. S. Waller	156.03
Martin Johnson	600.00	Wm. S. Canatsey	142.72
W. L. Gee	600.00	R. M. James	117.30
Jesse E. Tucker	600.00	E. Szegedy	117.00
N. B. Clarvoe	600.00	W. M. Stewart	117.00
Annie Parker	600.00	Blanche White	112.50
M. L. Ward	600.00	J. T. Watlington	107.45
R. B. Baptist	600.00	L. G. Burbridge	100.50
A. A. Wyke	600.00	Robt. Hollohan	96.00
Augustus Diggs	600.00	J. H. Hardy	78.00
W. S. Walter	599.30	F. W. Longley	78.00
Thos. Dorsey	595.16	M. L. Thompson	78.00
D. G. Passmore	583.70	B. G. Hanback	78.00
May Varney	586.10	Wm. Walsh	78.00
Mary G. Marshall	586.10	John Kemp	76.50
F. H. Hitchcock	565.30	Annie Tunstall	75.00
Nena Crain	549.40	Geo. W. Pancoast	72.06
A. M. Hillier	508.63	Michael O'Brien	58.00
K. A. Mayo	498.90	William Wilcox	52.74
B. H. Enzorff	480.00	A. G. Guthridge	50.00
Susan Ruppert	474.28	Frank M. Roselle	50.00
C. W. Bracey	466.30	Mary Brown	47.00
Alex. King	465.00	Annie Bucher	39.00
E. H. Craig	454.15	John Hardy	39.00
Chas. A. Stone	442.00	W. H. Parsons	39.00
M. B. Paine	435.00	W. E. Robinson	30.43
A. H. Brooks	422.00	Geo. Litzenberg	30.00
H. L. Vining	413.90	W. H. Ward	29.67
Missouri Gerard	379.34	Alice Flynn	19.50
Emily Werner	370.50	Geo. E. Sullivan	18.00
Hubert Edson	361.45	Jno. N. Armstrong	18.00
S. H. Apperson	351.70	Katie Fitch	17.00
D. H. Hall	350.00	Thos. S. Stelle	16.00
E. A. Southworth	350.00	Saml. S. Strachan	16.00
Frank G. Cleary	337.68	Aaron Meredith	15.00
M. E. Fagan	335.20	W. E. Morgan	14.00
H. R. Smedes	317.30	Mamie Smith	12.00
James W. Pollock	309.17	Sue F. Gruier	6.52
Annie E. Bray	305.63	M. D. Shaw	4.50
William H. Johnson	300.00	Saml. Lee	3.00
Marla Mead	300.00	Geo. H. Curtis	1.50
Lizzie Rollins	300.00	Thos. Wise	1.50
Robt. Burns	276.00	Wm. Bird	1.50
James M. Coombs	268.00	John Brown	1.50
J. E. Dillinger	263.30	William Crawford	1.50
Della E. Wilcox	253.50	Robt. Scriber	1.50
Mary A. Mack	250.55	John Coates	1.50
E. E. Fealy	250.00	Joe Sanzone	1.00
W. H. Moor	240.00		
Geo. J. Hall	231.00		
		Total	253,896.80

INVESTIGATING FOREIGN DEMANDS FOR UNITED STATES AGRICULTURAL PRODUCTS.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 20	C. J. Murphy	Salary for July	\$210.60
Sept. 13	do	Salary for August	210.60
30	do	Salary for September	203.80
	Total first quarter		625.00
Oct. 31	C. J. Murphy	Salary for October	210.60
Nov. 23	do	Expenses for September	62.47
23	do	Expenses, August and September	77.86
23	do	Expenses, July	84.36
30	do	Salary for November	203.80
Dec. 13	C. Frank Dewey	do	203.80
13	do	Salary for October	210.60

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

INVESTIGATING FOREIGN DEMANDS FOR UNITED STATES AGRICULTURAL PRODUCTS—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 14	C. J. Murphy	Expenses for October	\$105.08
20	Glogowski & Sohn	Typewriter, etc	113.57
22	C. J. Murphy	Expenses, November	69.46
31	do	Salary for December	210.60
31	C. Frank Dewey	do	210.60
	Total second quarter		1,762.82
1893.			
Jan. 23	C. Frank Dewey	Expenses in October	14.13
Feb. 1	C. J. Murphy	Expenses in December	138.64
	do	Salary in January	215.30
10	Ignatius I. Murphy	do	103.30
21	C. J. Murphy	Expenses, Jan. 1 to 20	115.90
28	Ignatius I. Murphy	Salary for February	93.40
	C. J. Murphy	do	194.40
Mar. 7	C. Frank Dewey	do	194.40
	do	Salary for January	215.30
14	do	Expenses, January	28.76
	do	Expenses in November and December	143.49
23	C. J. Murphy	Expenses in February	131.06
31	Ignatius I. Murphy	Salary for March	103.30
	C. J. Murphy	do	215.30
	Total third quarter		1,906.68
Apr. 11	C. Frank Dewey	Expenses in February	3.63
	do	Salary for March	215.30
28	Glogowski & Sohn	Mimeograph, etc	11.45
30	C. J. Murphy	Salary for April	206.00
	C. Frank Dewey	Expenses in March	5.20
May 8	Ignatius I. Murphy	Salary for April	98.90
15	C. J. Murphy	Expenses for March	207.23
	do	Expenses November 9, German income tax	24.99
22	do	Expenses in April	241.86
24	Rasmus Kliem	Maize banquet	128.18
31	C. J. Murphy	Salary for May	213.00
	Ignatius I. Murphy	do	102.20
June 23	do	Traveling expenses, May 30, June 1 and 2	79.33
30	do	Salary for June	98.90
	C. J. Murphy	do	206.00
	Total fourth quarter		1,842.17
	<i>Supplemental.</i>		
July 1	John Mattes, jr.	Salary, Apr. 15 to June 30	528.89
3	do	Expenses in April, May, and June	153.55
20	C. J. Murphy	Expenses in May	98.68
Aug. 7	do	Expenses in June	176.00
Sept. 19	C. Ferslew & Co.	Stationery	103.07
Oct. 17	Robt. Wahl	Pamphlet on use of Indian corn for manufacturing beer	350.00
	Total		1,410.19

RECAPITULATION.

First quarter	\$625.00
Second quarter	1,762.82
Third quarter	1,906.68
Fourth quarter	1,842.17
Supplemental	1,410.19
Total	7,546.86

AGRICULTURAL MAPS AND CHARTS.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 18	The Standard Engraving Co.	Engraving plate	\$2.40
23	Leopold Olszewski	Making map	175.00
May 17	The Norris Peters Co.	5,000 copies map of Wyoming	95.00
	Total		272.40

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

EXPERIMENTS IN THE PRODUCTION OF RAINFALL.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 30	Thos. Cook & son	Transportation	\$47.25
Sept. 12	John T. Ellis	Salary and expenses, Aug. 22 to Sept. 9	119.82
13	John H. King	Traveling expenses in August	50.45
22	Carl E. Myers	Gas balloons	400.00
28	do	Balloon	300.00
30	Chicago and Northwestern Rwy. Co.	Transportation, Ellis <i>et al.</i> , August	26.77
30	John T. Ellis	Salary and expenses, September	92.65
	Total first quarter		1,036.94
Oct. 3	George E. Casler	Salary and expenses, September	36.35
10	Wisconsin Central Lines, Northern Pacific R. R. Co., lessee.	Transportation, Ellis, August	11.50
10	The Pennsylvania Salt Manufacturing Co.	Vitriol	110.00
10	I. L. and D. S. Riker	Potash	165.20
13	Robert G. Dyrenforth	Services and expenses, August and September.	401.05
15	Pennsylvania R. R. Co.	Transportation, Dyrenforth <i>et al.</i>	30.00
15	Pennsylvania Company	Transportation, King, August	17.50
26	R. C. M. Burton	Repairs to awning for balloons	3.50
27	John T. Ellis	Salary and expenses, Oct. 1-15	132.60
29	John H. King	Traveling expenses, September	51.20
Nov. 2	Willis Holly	Eclipse blower	15.75
2	West Shore Railroad	Transportation, Casler, September	11.22
2	Chicago Northwestern Rwy. Co.	Transportation, King, September	14.05
2	Lake Shore and Michigan Southern Rwy.	Transportation, Ellis, August	22.25
2	Chicago, St. Paul, Minneapolis and Omaha Rwy.	Transportation, Ellis and King, August	28.06
2	William H. Krug	Salary and expenses, Oct. 19 to 31	44.64
4	Marcellina J. Syphax	Milk, etc., used at Fort Myer	10.80
4	Luman M. Ellis	Services, Sept. 28 to Oct. 31, and expenses	79.55
4	John T. Ellis	Salary and expenses, Oct. 17 to 31	123.63
4	Claude O. A. Rosell	Expenses, Sept. 30 to Oct. 31	53.28
5	Eugene Budd	Labor in October	6.00
5	Samuel Budd	Labor in October and November	26.50
5	Walter Williams	Labor in October	36.00
8	Arthur Goings	Hoops, etc., for tank	5.00
8	W. H. Gaskins	Barrels	5.25
8	Duncanson Bros.	Awning cloth	11.43
8	S. S. Cissel	Rent of apparatus, etc.	53.50
8	Geo. W. Knox Express	Freight transportation, October	61.80
9	The Ansonia Brass and Copper Co.	Wire	12.76
9	C. B. Hewitt & Bros.	Rolls and rope	123.28
11	The Smith Electrical Works	Platinum exploders	137.50
17	Wheatley Bros.	Lumber	43.68
19	F. P. May & Co.	Fuse, caps, scales, etc	6.00
19	E. Morrison Paper Co.	Paper	6.80
22	George E. Casler	Salary and expenses, October	100.05
22	Chicago, Milwaukee and St. Paul Railroad Co.	Transportation, King, September	17.60
28	do	do	25.20
Dec. 2	David H. Mead	Salary for November	52.00
12	Adams Express Co.	Express on balloons	5.95
17	Robt. G. Dyrenforth	Services, November	260.00
17	do	Services and expenses, October	287.25
24	John T. Ellis	Salary and expenses for November, and livery Oct. 27.	192.00
	Total second quarter		2,834.68
1893.			
Feb. 4	Pennsylvania Company	Transportation, Dyrenforth and King, October.	35.00
4	Baltimore and Ohio R. R. Co.	Transportation, King, September	17.00
4	do	Transportation, Ellis <i>et al.</i>	20.00
4	Pennsylvania R. R. Co.	Transportation, Ellis, October	6.00
4	do	Transportation, Dyrenforth <i>et al.</i>	63.00
4	People's Dispatch Co.	Freight charges, October	6.23
6	W. B. Moses & Sons	Use of cots	4.50
6	United States Express Co.	Transportation in December	5.45
6	Adams Express Co.	Transportation in October	5.85
8	Geo. W. Knox Express	Freight on soda and potash	1.82
8	do	Freight on oil	2.16
8	do	Freight and drayage in October and November.	39.50

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

EXPERIMENTS IN THE PRODUCTION OF RAINFALL—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 9	Luman M. Ellis	Salary and expenses in November	\$13. 40
9	The Ansonia Brass and Copper Co.	Office wire	14. 52
9	J. W. Bird	Livery	15. 00
9	A. Lawrence Rotch	Insulators	16. 00
9	W. O. Berry	Plumbing	23. 58
9	George E. Casler	Salary, Nov. 1 to 5	25. 00
9	Chas. G. Rickert	Materials for manufacturing gas, etc.	29. 53
9	David H. Mead	Salary, Dec. 1 to 16	30. 00
9	Robt. Boyd	Hardware	88. 74
9	G. W. Offutt	Supplies	100. 03
9	John T. Ellis	Salary and expenses, December	190. 25
9	John Dugan	Livery in October and November	96. 00
17	Tschiffely & Evans	Potash, etc	3. 15
17	Robt. Leitch & Sons	Pipe, wrenches, etc	49. 60
Mar. 1	Geo. W. Knox Express	Hauling	16. 50
10	People's Dispatch Co.	Transportation and storage	40. 66
	Total third quarter		958. 47
Apr. 26	Meyer Brothers Drug Co.	Chlor. calcium and 1 box	6. 10
26	William H. King	Salary, 2 days in December, 1892; car fare, November, etc.	7. 02
June 28	Carl E. Myers	Labor, Nov. 9 to 14, 1892	39. 45
	Total fourth quarter		52. 57
	<i>Supplemental.</i>		
July 31	People's Storage Co	Storage, Jan. 23 to June 27, 1893	30. 93
	Total		30. 93

RECAPITULATION.

First quarter	\$1, 036. 94
Second quarter	2, 834. 68
Third quarter	958. 47
Fourth quarter	52. 57
Supplemental	30. 93
Total	4, 913. 59

IRRIGATION INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1892.			
July 31	Frank Blaisdell <i>et al</i>	Salaries for July	\$235. 87
Aug. 20	Mortimer A. Downing	Index	100. 00
31	Frank Blaisdell <i>et al</i>	Salaries for August	286. 40
Sept. 9	Frank Blaisdell	Services, Sept. 1 to 6	29. 35
17	do	Services, Sept. 7 to 15	44. 02
30	A. F. Wood	Salary for September	130. 40
	Total first quarter		826. 04
Oct. 8	Frank Blaisdell	Services, Sept. 16 to Oct. 6	102. 72
31	Frank Blaisdell <i>et al</i>	Salaries for October	257. 08
Nov. 30	Frank Blaisdell	Services, Nov. 16 to 30	73. 37
30	Frank Blaisdell <i>et al</i>	Salaries in November	301. 57
Dec. 31	do	Salaries in December	387. 50
	Total second quarter		1, 122. 24
1893.			
Jan. 31	A. F. Wood	Salary for January	137. 80
Feb. 3	Otis A. Critchett	Salary, Dec. 28 to Jan. 31, 1893	225. 80
28	do	Salary for February	200. 00
28	F. L. Sizer <i>et al</i>	Salaries for February	214. 68
Mar. 3	Jas. I. Christianity	Salary for January	103. 30
9	Otis A. Critchett	Expenses, Jan. 30 to Feb. 2	12. 10
24	Fred. A. Schmidt	Stationery	11. 55

EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

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Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 29	Denver and Rio Grande R. R. Co.	Transportation, Critchett, February	\$40.00
31	F. L. Sizer <i>et al.</i>	Salaries for March	234.65
	Total third quarter		1,143.43
Apr. 12	O. A. Critchett	Salary, Mar. 8 to Apr. 7.	201.50
15	Geo. P. Mason	Labor, April 1 to 15	25.00
30	F. L. Sizer <i>et al.</i>	Salaries for April	476.32
May 3	Lake Shore and Michigan Southern Rwy. Co.	Transportation, Critchett, January	37.90
31	F. L. Sizer	Salary, May 1 to 30	206.04
31	A. F. Wood, <i>et al.</i>	Salaries for May	330.40
June 2	O. A. Critchett	Traveling expenses, March to May 12.	12.45
22	Woodward & Lothrop	Sheeting	1.00
30	Chas. W. Irish <i>et al.</i>	Salaries for June	515.80
	Total fourth quarter		1,796.41
	<i>Supplemental.</i>		
July 21	Denver and Rio Grande R. R. Co.	Transportation, Critchett, in May	42.55
	Total		42.55

RECAPITULATION.

First quarter	\$826.04
Second quarter	1,122.24
Third quarter	1,143.43
Fourth quarter	1,796.41
Supplemental	42.55
Total	4,930.67

COLLECTING AGRICULTURAL STATISTICS.

Date.	Name.	Nature of payment.	Total.
1892.			
July 12	Washington City post-office	Postage stamps	\$1,100.00
31	E. T. Peters <i>et al.</i>	Salaries for July	3,330.35
Aug. 3	Edmund J. Moffatt	Salary and expenses, July	223.37
6	Willett & Gray	Subscription to Sugar Trade Journal, 1 year.	15.00
8	Washington City post-office	Postage stamps	2,400.00
11	Julius Ulke, jr	Chart	20.00
22	A. W. Ferguson	Translating, etc.	50.00
31	E. T. Peters <i>et al.</i>	Salaries for August	3,254.65
Sept. 5	Shoe and Leather Reporter	One year's subscription	3.50
12	John C. Parker	One ream paper	8.00
16	Mary A. Dolan	Services, Sept. 1 to 4	7.17
22	Ignatius I. Murphy	Salary for July	101.10
22	do	Salary for August	101.10
28	Wyckoff, Seamans & Benedict	Repairing typewriters	8.77
30	Ignatius I. Murphy	Salary for September	97.80
30	George Husmann	Salary, July 1 to Sept. 30	300.00
30	S. D. Fisher	do	300.00
30	George T. Powell	do	300.00
30	Daniel L. Flickinger	do	300.00
30	Jno. B. Conner	do	300.00
30	Henry C. Adams	do	300.00
30	Levi Chubbuck	do	250.00
30	Robert W. Furnas	do	250.00
30	Thos. G. Peachy	do	225.00
30	Nat Q. Henderson	do	225.00
30	R. J. Redding	do	225.00
30	Napoleon Underwood	do	225.00
30	Samuel L. Boardman	do	200.00
30	R. H. Thomas	do	200.00
30	Franklin Wells	do	200.00
30	Charles T. Curtiss	do	200.00
30	T. R. Purnell	do	180.00
30	E. W. Longshore	do	150.00
30	Nicholas McDowell	do	180.00
30	Joseph G. Brown	do	150.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 30	William F. F. Bushnell	Salary, July 1 to Sept. 30	\$150.00
30	E. A. Slack	do	150.00
30	R. D. Baugh	do	150.00
30	John Karr	do	150.00
30	James M. Adams	do	150.00
30	W. W. Cooke	do	150.00
30	T. S. Gold	do	150.00
30	Samuel S. Faris	do	150.00
30	James A. Hayden	do	150.00
30	Thomas H. Reeve	do	150.00
30	James H. Lane	do	150.00
30	L. A. Ransom	do	150.00
30	A. H. Manville	do	150.00
30	Franklin Dye	do	150.00
30	John H. Stevens	do	150.00
30	W. M. Scott	do	150.00
30	William Nelson	do	150.00
30	John R. Reavis	do	150.00
30	Harrison R. Kincaid	do	150.00
30	Robert H. Howey	do	150.00
30	Charles D. Poston	do	150.00
30	Daniel B. Stewart	do	150.00
30	Arthur S. Fitz	do	150.00
30	E. M. Thoman <i>et al</i>	Salaries for September	2,971.00
	Total statistics		21,731.81
	Investigating foreign demands		625.00
	Total first quarter		22,356.81
Oct. 1	Frank H. Drown	Salary, July 1 to Sept. 30	180.00
1	Washington City post-office	Postage stamps	600.00
3	Geo. W. Knox Express	Freight charges, July	1.68
10	Chesapeake and Potomac Telephone Co.	Telephone rent, July 1 to Sept. 30	15.00
15	Edmund J. Moffat	Traveling expenses, October	10.75
15	do	Traveling expenses, September	101.43
15	do	Salary, August and September	414.40
27	J. Baumgarten & Son	Stamps	5.50
31	Ignatius Murphy	Salary, October	101.16
31	E. T. Peters <i>et al</i>	Salaries, October	3,055.40
Nov. 1	Edmund J. Moffat	Salary, October	210.10
14	John C. Parker	Tabulating paper	60.37
26	Wm. Ballantyne's Sons	Paper	48.00
26	do	Manila envelopes	260.54
26	B. W. Snow	Expenses, November	13.05
28	John C. Parker	Paper	1.80
28	J. R. Dodge	Traveling expenses, November	45.54
30	Ignatius I. Murphy	Salary for November	97.80
30	E. T. Peters <i>et al</i>	Salaries for November	2,953.67
Dec. 5	The Railroad Age and North-western Railroader.	Subscription, July 1, 1892, to July 1, 1893	4.00
5	Edwin B. Dennis	Calculator for percentages	40.00
7	Washington City post-office	Postage stamps	540.00
15	Wm. Ballantyne's Sons	Envelopes	237.00
19	Annie E. Bray	Salary, Nov. 29 and 30	4.57
21	John C. Parker	Stationery	206.75
31	Ignatius I. Murphy	Salary for December	101.10
31	Merritt C. Ring	Salary, December	197.01
31	S. D. Fisher	Salary, Oct. 1 to Dec. 31	300.00
31	Jno. B. Conner	do	300.00
31	Daniel L. Flickinger	do	300.00
31	George Husmann	do	300.00
31	Geo. T. Powell	do	300.00
31	Henry C. Adams	do	300.00
31	Robert W. Furnas	do	250.00
31	Levi Chubbuck	do	250.00
31	Nat Q. Henderson	do	225.00
31	Napoleon Underwood	do	225.00
31	Thomas G. Peachy	do	225.00
31	R. J. Redding	do	225.00
31	Franklin Wells	Services, Oct. 1 to Dec. 31	200.00
31	Samuel L. Boardman	do	200.00
31	Chas. F. Curtiss	do	200.00
31	R. H. Thomas	do	200.00
31	E. W. Longshore	do	180.00
31	T. R. Purnell	do	180.00
31	Nicholas McDowell	do	180.00
31	Frank H. Drown	do	180.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 31	William F. F. Bushnell	Services, Oct. 1 to Dec. 31	\$150.00
31	Joseph G. Brown	do.	150.00
31	John R. Reavis	do.	150.00
31	Robt. H. Howey	do.	150.00
31	Thomas H. Reeves	do.	150.00
31	William Nelson	do.	150.00
31	James M. Adams	do.	150.00
31	James H. Lane	do.	150.00
31	W. W. Cooke	do.	150.00
31	Franklin Dye	do.	150.00
31	Harrison R. Kincaid	do.	150.00
31	E. A. Slack	do.	150.00
31	W. M. Scott	do.	150.00
31	R. D. Baugh	do.	150.00
31	L. A. Ransom	do.	150.00
31	James A. Hayden	do.	150.00
31	T. S. Gold	do.	150.00
31	Samuel S. Faris	do.	150.00
31	John H. Stevens	do.	150.00
31	A. H. Manville	do.	150.00
31	Joseph A. Beal	Services, Oct. 5 to Dec. 31	143.52
31	Daniel B. Stewart	Services, Oct. 1 to Dec. 31	100.00
31	Arthur S. Fitz	do.	100.00
31	Chas. D. Poston	Services, Oct. 1 to Nov. 30	99.50
31	E. T. Peters <i>et al.</i>	Salaries for December	3,324.52
	Total statistics		20,994.60
	Total investigating foreign demands, etc.		1,762.82
	Total second quarter		22,757.42
1893.			
Jan. 3	Washington City post-office	Postage stamps	3,000.00
9	R. J. Redding	Expenses in December	6.55
4	John Karr	Services, Oct. 1 to Dec. 31	150.00
10	Chesapeake and Potomac Telephone Co.	Telephone rent, Oct. 1 to Dec. 31	15.00
10	John C. Parker	Stationery	407.48
14	W. B. Nassau	Services, Dec. 30 and 31	12.00
16	Baltimore and Ohio R. R. Co.	Transportation	10.00
19	Photo-Engraving Co.	Engraving plates	11.30
23	Merritt C. Ring	Expenses, Dec. 1 to 6	45.98
23	do.	Expenses, Dec. 6 to 15	113.75
31	Library Building	Tin trays with blocks, etc	18.75
31	E. T. Peters <i>et al.</i>	Salaries for January	3,606.50
Feb. 1	W. B. Nassau	Salary for January	156.00
3	Merritt C. Ring	Express in December, 1892, and January, 1893.	76.59
3	do.	Salary for January	215.30
15	Wm. Ballantyne's Sons	Envelopes	316.00
16	John C. Parker	Manila envelopes	435.00
27	Geo. T. Powell	Expenses for January	23.78
28	Merritt C. Ring	Salary for February	194.40
28	Nat. Q. Henderson	Salary for January and February	147.50
28	E. T. Peters <i>et al.</i>	Salaries for February	3,219.60
Mar. 1	Wm. E. Lewis	Drawing paper	70.50
1	W. B. Nassau	Salary for February	144.00
8	John C. Parker	Remodeling typewriter	45.00
8	The Norris Peters Co.	Mounting drawing paper	20.00
9	United States Express Co.	Transportation, Jan. 23	1.30
11	John C. Parker	Library Journal, January to June 30, 1893	2.50
31	Frank Blaisdell	Making map	40.00
31	George Husmann	Salary, Jan. 1 to Mar. 31	300.00
31	S. D. Fisher	do.	300.00
31	Jno. B. Conner	do.	300.00
31	Daniel L. Flickinger	do.	300.00
31	Geo. T. Powell	do.	300.00
31	Robt. W. Furnas	do.	250.00
31	Levi Chubbuck	do.	250.00
31	Napoleon Underwood	do.	225.00
31	Thos. G. Peachy	do.	225.00
31	R. J. Redding	do.	225.00
31	Franklin Wells	do.	200.00
31	Saml. L. Boardman	do.	200.00
31	Chas. F. Curtiss	do.	200.00
31	R. H. Thomas	do.	200.00
31	Henry C. Adams	do.	200.00
31	E. W. Longshore	do.	180.00
31	Nicholas McDowell	do.	180.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 31	Frank H. Drown	Salary, Jan. 1 to March 31	\$180.00
31	T. R. Purnell	do	180.00
31	William F. F. Bushnell	do	150.00
31	Joseph G. Brown	do	150.00
31	John R. Reavis	do	150.00
31	W. M. Scott	do	150.00
31	A. H. Manville	do	150.00
31	William Nelson	do	150.00
31	Harrison R. Kincaid	do	150.00
31	L. A. Ransom	do	150.00
31	John Karr	do	150.00
31	R. D. Baugh	do	150.00
31	W. W. Cooke	do	150.00
31	Robt. H. Howey	do	150.00
31	John H. Stevens	do	150.00
31	James A. Hayden	do	150.00
31	Franklin Dye	do	150.00
31	T. S. Gold	do	150.00
31	James M. Adams	do	150.00
31	Thos. H. Reeves	do	150.00
31	Samuel S. Paris	do	150.00
31	James H. Lane	do	150.00
31	Joseph A. Beal	do	150.00
31	Daniel B. Stewart	do	100.00
31	Arthur S. Fitz	do	100.00
31	Nat. Q. Henderson	Salary for March	77.50
31	Merritt C. Ring	do	215.30
31	E. T. Peters <i>et al</i>	Salaries for March	3,672.46
	Total statistics		24,215.04
	Total maps and charts		177.40
	Total investigating foreign demands, etc.		1,906.68
	Total third quarter		26,299.12
Apr. 1	W. B. Nassau	Salary for March	162.00
8	The Chesapeake and Potomac Telephone Co.	Telephone rent, Jan. 1 to Mar. 31, 1893	15.00
12	E. A. Slack	Salary, Jan. 1 to Mar. 15	123.30
13	W. H. Veerhoff	Moldings	89.35
17	Agatha Wheeler	Salary, Apr. 1 to 4	8.00
26	Asa S. Mercer	Salary, Mar. 18 to 31	23.33
28	E. M. Thoman	Salary, Apr. 1 to 15	74.18
29	W. B. Nassau	Salary for April	150.00
30	E. T. Peters <i>et al</i>	Salaries for April	3,206.50
May 1	John Karr	Salary, Apr. 1 to 15	24.73
2	William Brown & Co. (Limited)	Stationery, etc	12.06
2	A. L. Davis	Salary, Jan. 1 to 4	13.30
5	L. A. Ransom	Salary for April	49.50
13	Merritt C. Ring	do	206.00
13	do	Expenses, December to April	7.12
16	Photo-Engraving Co.	Engraving plates	1.70
16	I. E. Beerbohm	Subscription Corn Trade List, 3 mos	7.29
17	United States Express Co.	Transportation, Apr. 6	1.00
18	Wm. F. F. Bushnell	Salary for April	49.50
31	Franklin Wells	Salary for Apr. 1 to May 15	98.87
31	Thos. G. Peachy	do	111.29
31	R. H. Thomas	Salary for Apr. 1 to May 31	134.10
31	W. B. Nassau	Salary for May	162.00
31	E. T. Peters <i>et al</i>	Salaries for May	3,403.29
June 2	Levi Chubbuck	Salary, Apr. 1 to May 31	167.60
5	Nat. Q. Henderson	Salary, Apr. 1 to May 18	118.71
8	George Husmann	Salary, Apr. 1 to May 31	201.10
15	W. E. Baldwin	Salary, June 1 to 15	57.69
20	United States Express Co.	Express transportation, May .....	.30
21	L. A. Ransom	Salary for May	51.00
24	Joseph A. Beal	Salary, Apr. 1 to May 31	100.50
27	Photo-Engraving Co.	Photo-engraved plate	1.70
30	Geo. T. Powell	Salary, Apr. 1 to June 30	300.00
30	Daniel L. Flickinger	do	300.00
30	Frank A. Dilatush	do	300.00
30	Martin E. Argo	Salary Apr. 8 to June 30	276.92
30	Robt. W. Furnas	Salary Apr. 1 to June 30	250.00
30	Napoleon Underwood	do	225.00
30	R. J. Redding	do	225.00
30	Samuel L. Boardman	do	200.00
30	Charles F. Curtiss	do	200.00
30	L. M. Fay	do	200.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
June 30	Frank H. Drown.....	Salary, Apr. 1 to June 30.....	\$180.00
30	Nicholas McDowell.....	do.....	180.00
30	E. W. Longshore.....	do.....	180.00
30	Jno. C. Tipton.....	Salary Apr. 12 to June 30.....	158.20
30	Harrison R. Kincaid.....	Salary Apr. 1 to June 30.....	150.00
30	John R. Reavis.....	do.....	150.00
30	William Nelson.....	do.....	150.00
30	W. M. Scott.....	do.....	150.00
30	Joseph G. Brown.....	do.....	150.00
30	A. H. Manville.....	do.....	150.00
30	T. S. Gold.....	do.....	150.00
30	James H. Lane.....	do.....	150.00
30	James A. Hayden.....	do.....	150.00
30	Franklin Dye.....	do.....	150.00
30	James M. Adams.....	do.....	150.00
30	John H. Stevens.....	do.....	150.00
30	R. D. Baugh.....	do.....	150.00
30	Robt. H. Howey.....	do.....	150.00
30	Jno. J. Cornwell.....	do.....	150.00
30	Geo. L. Fryer.....	do.....	150.00
30	A. S. Mercer.....	do.....	150.00
30	Dandridge McRae.....	Salary, Apr. 16 to June 30.....	125.23
30	J. C. Featherston.....	Salary, May 16 to June 30.....	113.76
30	Burroughs Abbott.....	Salary, May 1 to June 30.....	100.50
30	Nathan Pratt.....	Salary, Apr. 1 to June 30.....	100.00
30	Arthur S. Fitz.....	do.....	100.00
30	Edwin F. Smith.....	Salary, June 1 to June 30.....	98.90
30	W. P. Hancock.....	Salary, May 23 to June 30.....	96.45
30	Elias S. Garver.....	Salary, June 1 to June 30.....	82.40
30	S. S. Neely.....	do.....	65.90
30	I. Washington Watts.....	do.....	49.50
30	W. B. Nassau.....	do.....	156.00
30	E. T. Peters <i>et al</i>	Salaries for June.....	3,308.35
	Total statistics.....		18,954.20
	Total, maps and charts.....		95.00
	Total, investigating foreign demands, etc.....		1,842.17
	Total fourth quarter.....		20,891.37
	<i>Supplemental.</i>		
July 5	Milo E. Marsh.....	Salary, May 16 to June 30.....	101.06
19	John C. Parker.....	Mimeograph paper and ink.....	2.70
19	do.....	Tabulating paper.....	30.00
19	do.....	Manila envelopes.....	99.18
20	Wm. Ballantyne's Sons.....	White envelopes.....	330.22
	The Chesapeake and Potomac Telephone Co.....	Telephone rent, Apr. 1 to June 30.....	15.00
27	John C. Parker.....	Manila envelopes.....	445.00
31	Wm. Ballantyne's Sons.....	Envelopes.....	57.67
Aug. 4	do.....	Manila envelopes.....	213.40
5	W. W. Cooke.....	Services as statistical agent, Apr. 1 to June 30.....	150.00
Sept. 22	I. E. Beerbohm.....	Subscription Evening Corn Trade List, May 5, 1893, to May 5, 1894.....	29.20
	Investigating foreign demands, etc.....		1,410.19
	Public Printer.....		238.00
	Total.....		3,121.62

RECAPITULATION.

First quarter.....	\$22,356.81
Second quarter.....	22,757.42
Third quarter.....	26,299.12
Fourth quarter.....	20,891.37
Supplemental.....	3,121.62
Total.....	95,426.34

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BOTANICAL INVESTIGATIONS AND EXPERIMENTS.

Date.	Name.	Nature of payment.	Total.
1892.			
July 9	E. Morrison Paper Co	Manila paper	\$15.00
19	Grace E. Cooley	Alaskan plants	15.00
21	E. Morrison Paper Co	Paper	5.75
31	F. V. Coville <i>et al</i>	Salaries for July	1,101.80
Aug. 2	A. A. Heller	Salary for July	101.10
2	D. T. MacDougal	do	101.10
2	J. H. Sandberg	do	126.40
3	Library Bureau	Catalogue cards	2.25
3	Frederick Funston	Salary for July	126.40
4	J. H. Sandberg	Expenses for July	164.85
6	P. A. Rydberg	Salary for July	75.00
9	D. M. Coffman	do	126.40
9	J. W. Tomney	do	150.00
10	Z. D. Gilman	Alcohol, etc	13.40
20	United States Express Co	Transportation in July	1.70
26	A. Baldwin	Bacon, etc	42.47
26	McConnell Maguire Co	Sardines, etc	36.75
26	John M. Williams	Hauling	.25
31	F. V. Coville <i>et al</i>	Salaries for August	1,101.80
31	A. A. Heller	Salary for August	101.10
31	Frederick Funston	do	126.40
Sept. 3	John M. Coulter	do	100.00
3	D. T. MacDougal	do	101.10
3	D. M. Coffman	do	126.40
5	E. Morrison Paper Co	Felt dryers, etc	5.50
19	A. A. Heller	Traveling expenses August	26.75
19	do	Salary Sept. 1 to 15	48.91
19	J. H. Sandberg	Salary Aug. 1 to Sept. 15	187.54
22	Frederick Funston	Expenses in July	61.00
30	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation	6.00
30	Plant Seed Co	Clover and grass seed	22.40
30	O. D. Dahl	Expenses in the field, July	19.97
30	do	Expenses in the field, August	21.75
30	F. V. Coville <i>et al</i>	Salaries for September	1,066.40
	Total first quarter		5,328.64
Oct. 1	V. H. Igo	Transporting freight, August	1.35
1	D. T. MacDougal	Salary, Sept. 1 to 15	48.91
3	Adams Express Co	Transportation in August	23.90
4	John M. Coulter	Salary for September	100.00
5	O. W. Campbell	Labor, 2 days in August	3.00
5	C. F. Copeland	Labor, 2 days in July	3.00
5	Fletcher White	Labor, 5 days in July	7.50
5	Paul Holmes	Labor, 6 days in August	9.00
5	F. M. Day	do	9.00
5	J. W. Warren	do	9.00
5	Henry Day	do	9.00
5	D. P. McDonald	Grain tester	13.50
5	John J. Riehmman	Bottles	15.00
5	E. S. Weeks	Labor, 11 days, August	16.50
5	J. M. Day	Labor, 6 days, August	18.00
5	W. L. Day	do	18.00
5	Bert Gentry	Labor, 14 days, August	21.00
5	Wm. H. Bell	Labor, 15½ days, July	23.25
5	M. E. Scroggins	Labor, July 23 to Aug. 20	24.75
5	L. C. Martin	Labor, 10½ days, August	31.50
5	S. W. Day	Labor, July 19 to Aug. 20	34.50
5	John Gauschon	Labor, Aug. 20 to Sept. 5	40.00
5	W. B. Jackson	Labor, July 20 to Sept. 12	53.25
5	L. P. Coonrod	Lumber	59.07
5	Kirk White	Labor, July 1 to Sept. 12	83.25
5	James Falkner	Labor, 57½ days	86.25
5	D. M. Bauman	Threshing, August	96.23
5	W. E. Kirby	Labor, 77 days	115.50
5	C. C. Jones	Labor, July 1 to Sept. 30	135.00
5	H. C. Brooks	do	270.00
5	Northern Pacific R. R. Co	Transportation, August	108.95
6	D. T. MacDougal	Expenses in September	24.75
6	D. M. Coffman	Salary for September	122.20
6	J. A. Sewall	Salary for quarter ending Sept. 30	450.00
8	Edward Palmer	Salary, July 1 to Sept. 15	375.00
10	W. L. McGee <i>et al</i>	Labor in September	100.00
10	The Atchison, Topeka and Santa Fe R. R.	Transportation, August	1.99
12	J. H. Alexander	Clover and millet seed	16.00
12	S. M. Tracy	Salary for September	50.00
13	Pennsylvania R. R. Co	Transportation	14.60

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 13	Pennsylvania Co.	Transportation	\$18.25
13	E. N. Ganse.	Hardware, etc.	48.73
13	Frederick Funston.	Salary for September	122.20
14	Geo. Vasey	Traveling expenses.	34.26
15	P. A. Rydberg	Salary, Aug. 1 to 23	55.65
17	L. H. Dewey	Traveling expenses, October	48.70
17	do.	Traveling expenses, September	24.05
17	Geo. Vasey.	Expenses of trip to Europe	301.77
27	The Cincinnati, Jackson and Mackinaw Rwy. Co.	Transportation	14.65
31	Chicago and Northwestern Rwy. Co.	do.	7.64
31	F. V. Coville <i>et al.</i>	Salaries for October	894.60
Nov. 4	D. M. Coffman	do.	126.40
7	John M. Coulter	do.	100.00
8	S. M. Tracy	do.	50.00
8	Z. D. Gilman.	Bisulphide carbon	.10
8	Adams Express Co.	Transportation	11.35
9	The Atchison, Topeka and Santa Fe R. R. Co.	do.	9.95
9	Crosscup and West Engraving Co.	Photo-engraving trees	30.00
11	J. C. Metzger & Co.	Freight, etc., London to New York	16.40
11	F. Bunnell	Boxes, etc.	2.75
15	Greenleaf C. Nealley	Services, July 1 to Sept. 14	370.00
15	Frederick Funston.	Salary for October	126.40
16	Northern Pacific R. R. Co.	Transportation	72.08
16	John M. Williams	Hauling	.25
17	L. R. Stowell	Salary for October	151.60
18	Library Bureau	Index cards	7.60
23	E. G. Clarke	Salary for September	50.00
23	do.	Salary for October	50.00
28	J. H. Sandberg	Supplies in camp, July, August, and September.	284.10
28	Chicago, Milwaukee and St. Paul Rwy. Co.	Transportation	11.50
28	do.	do.	25.55
28	New Mexico and Arizona R. R. Co.	do.	.35
28	Baltimore and Ohio R. R. Co.	do.	.84
28	W. L. McGee <i>et al.</i>	Labor, October	100.00
30	Geo. W. Thatcher, Jr.	Land rent, Logan, Utah, Sept. 1, 1892, to Jan. 30, 1893.	150.00
30	Woodward & Lothrop	Sheeting	11.50
30	F. V. Coville <i>et al.</i>	Salaries for November	1,012.60
Dec. 2	The Atchison, Topeka and Santa Fe R. R. Co.	Transportation	3.98
3	Frederick Funston.	Salary for November	122.20
6	D. M. Coffman	do.	122.20
7	Frederick Funston.	Traveling expenses, November	12.75
7	do.	Expenses, wages of laborer, September	50.00
7	do.	Expenses, labor and provision, August	89.87
7	do.	Expenses, October	98.65
8	Woodward & Lothrop	Sheeting	1.88
8	Chicago and Northwestern Rwy. Co.	Transportation	2.08
8	W. L. McGee <i>et al.</i>	Labor, November	100.00
8	Mrs. Mary Stewart.	Making bags	3.25
12	S. M. Tracy	Salary for November	50.00
12	Z. D. Gilman	Alcohol	11.40
20	John M. Williams	Hauling	.25
20	Alex Schmid	Boxes	4.50
21	Geo. W. Knox Express.	Freight and drayage	10.00
28	E. Morrison Paper Co.	Herbarium paper.	5.76
28	Arizona and Southern R. R. Co.	Freight charges	.25
30	Adams Express Co.	Transportation	1.00
31	Z. D. Gilman	Bisulphide carbon	.25
31	F. V. Coville <i>et al.</i>	Salaries for December	1,149.88
Total second quarter			8,823.67
1893.			
Jan. 4	Woodward and Lothrop	Paper cambric	.48
4	C. C. Jones	Labor, quarter ending Dec. 31.	135.00
4	H. C. Brooks	Salary, quarter ending Dec. 31	270.00
6	W. E. Kirby	Labor, Oct. 1 to Nov. 5	40.50
6	D. M. Coffman	Salary for December	126.40
10	J. A. Sewall	Salary, quarter ending Dec. 31	450.00
12	W. L. McGee <i>et al.</i>	Labor for December	100.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 12	S. M. Tracy	Salary for December	\$50.00
16	E. G. Clarke	Labor, November and December	100.00
19	Atchison, Topeka and Santa Fe R. R. Co.	Transportation	1.99
23	William H. Kane	do. ....	.07
24	Lake Shore and Michigan Southern Rwy. Co.	do.	6.05
24	Arizona and Southern R. R. Co.	Transporting plants .....	.25
25	John M. Williams	Hauling .....	.25
26	N. V. Randolph & Co	Herbarium flaps	19.50
27	Julius Bien & Co	Lithographing and printing grasses	1,075.00
31	F. V. Coville <i>et al.</i>	Salaries for January	1,177.80
Feb. 7	S. M. Tracy	Salary for January	50.00
7	W. L. McGee <i>et al.</i>	Labor for January	100.00
8	Z. D. Gilman	Alcohol, etc.	15.06
8	Geo. Vasey	Glue .....	.40
9	Baltimore and Ohio R. R. Co.	Transportation, plants, September	1.26
11	Photo-Engraving Co.	Photo-engraving, etc.	16.00
11	B. L. Robinson	Greek plants	22.00
11	Stephenson's Express	Freight, etc.	9.55
11	Geo. W. Knox Express	do.	50.00
13	Atchison, Topeka and Santa Fe R. R. Co.	Transportation, Sewall <i>et al.</i>	33.74
15	Adams Express Co.	Transportation, box, etc., December	2.25
18	John M. Coulter	Salary for January	100.00
20	Luther D. Reed	Plants	24.00
20	Photo-Engraving Co.	Plates	7.00
25	John Macoun	Canadian lichens and music	16.00
28	F. V. Coville <i>et al.</i>	Salaries for February	1,064.40
Mar. 1	Library Bureau	Catalogue cards	14.40
7	S. M. Tracy	Salary for February	50.00
7	John M. Coulter	do.	100.00
7	W. L. McGee <i>et al.</i>	Labor for February	100.00
15	E. Morrison Paper Co	Paper, etc.	28.88
15	Fred'k. Funston	Salary Mar. 1 to 14, inclusive	46.67
16	Atchison, Topeka and Santa Fe R. R. Co.	Transportation, Sewall, February	3.98
16	Maurice Joyce	Engraving plates	10.25
17	United States Express Co	Transportation, February	7.62
17	Conrad Becker	Leather straps	2.00
20	Texas and Pacific Rwy	Transportation, plants, October, 1892 .....	.76
24	Henry J. Green	Barometer	20.20
30	Atchison, Topeka and Santa Fe R. R. Co.	Transportation, Sewall, March	3.98
31	New Mexico and Arizona R. R. Co.	Transportation, plants, October and November .....	.50
31	Baltimore and Ohio R. R. Co.	Transportation, plants, November and December	1.10
31	Frederick Funston	Salary, Mar. 15 to 31	101.45
31	F. V. Coville <i>et al.</i>	Salaries for March	955.60
	Total third quarter		6,462.84
Apr. 3	H. N. Patterson	Check list of plants—2 copies	1.50
12	S. M. Tracy	Salary for March	50.00
12	C. C. Jones	Labor, Jan. 1. to Mar. 31	135.00
12	H. C. Brooks	do.	270.00
12	J. A. Sewall	Salary, Jan. 1 to Mar. 31	450.00
12	C. G. Pringle	Mexican collection plants	25.00
12	E. G. Clarke	Salary, January and February	100.00
12	W. L. McGee <i>et al.</i>	Labor, March	100.00
14	Adams Express Co	Transportation, February	1.55
20	Library Bureau	Index cards, etc.	2.00
20	A. S. Johnson	Tin pan .....	.75
20	E. Morrison Paper Co	Herbarium paper	2.88
20	do.	Straw boards, etc.	5.50
26	Thomas Morana	Specimens of pond weeds	4.50
29	Wyckoff, Seamans & Benedict	Desk	15.00
30	L. H. Dewey <i>et al.</i>	Salaries for April	794.93
May 1	H. H. Rusby	Specimens South American plants	47.20
1	Frederick Funston	Salary for April	185.00
6	The Chesapeake and Ohio Rwy. Co.	Transportation, Funston, March	28.00
11	S. M. Tracy	Traveling expenses, Apr. 14 to 16	29.55
12	Atchison, Topeka and Santa Fe R. R. Co.	Transportation, Sewall, April	3.98
12	Northern Pacific R. R. Co.	Transportation, Funston, March	6.25
12	Z. D. Gilman	Alcohol, etc.	13.88
13	E. Morrison Paper Co	Paper	4.50

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
May 15	Lucien M. Underwood	Hepatica Americanæ. Nos. 141 to 150	\$1.50
15	S. M. Tracy	Salary for April	50.00
17	C. Becker	Straps with buckles	3.00
17	United States Express Co.	Transportation, April	1.00
19	Atchison, Topeka and Santa Fe R. R. Co.	Transportation, grain, January	6.20
19	John C. Parker	Remodeling typewriter	45.00
22	Atlantic and Pacific R. R. Co. .	Transportation, grain, January	3.00
25	Woodward & Lothrop	Picture frames	1.05
25	Adams Express Co.	Transportation in April	1.90
27	W. N. Saksdorf	Herbarium specimens	18.52
31	John B. Leiberger	Salary, May 10 to 31	106.45
31	J. H. Sandberg	do	106.45
31	Edward Palmer	Salary, May 1 to 31	100.00
31	Frederick Funston	do	185.00
31	L. H. Dewey <i>et al</i>	Salaries for May	951.60
June 3	E. Morrison Paper Co.	Covers, paper, etc	7.25
3	W. L. McGee <i>et al</i>	Labor, April	61.60
6	Atchison, Topeka and Santa Fe R. R. Co.	Transportation, Sewall, December, 1892 ..	3.98
8	S. M. Tracy	Salary for May	50.00
10	Photo-Engraving Co.	Plates	5.40
10	do	Plates plants	16.30
14	Pennsylvania R. R. Co.	Transportation, Edward Palmer, June. .	68.50
20	United States Express Co.	Express transportation, May	3.45
27	Library Bureau	Card index case	15.00
27	L. H. Dewey	Traveling expenses, June 19 to 23	23.44
30	E. Morrison Paper Co.	Paper, strawboards, etc	17.60
30	do	Herbarium paper	5.50
30	J. H. Sandberg	Salary for June	150.00
30	John B. Leiberger	do	150.00
30	Edward Palmer	do	100.00
30	L. H. Dewey <i>et al</i>	Salaries	940.70
	Total fourth quarter		5,525.86
	<i>Supplemental.</i>		
July 6	Henry Lee	Grass seed	4.40
6	R. M. Lawrence	Coal	7.00
6	C. C. Jones	Labor, Apr. 1 to June 30	135.00
6	H. C. Brooks	Labor, Apr. 1 to June 30	270.00
6	J. A. Sewall	Salary, Apr. 1 to June 30	450.08
Aug. 24	Woodward & Lothrop	Linen desk cover	1.60
Sept. 14	E. G. Clarke	Salary, March and April, 1893	100.00
	Transportation orders		133.95
	Public Printer		205.33
	Total		1,307.36

RECAPITULATION.

First quarter	5,328.64
Second quarter	8,823.67
Third quarter	6,462.84
Fourth quarter	5,525.86
Supplemental	1,307.36
Total	27,448.37

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

INVESTIGATING THE HISTORY AND HABITS OF INSECTS.

Date.	Name.	Nature of payment.	Total.
1892.			
July 15	F. W. Mally	Salary, July 1 to 15	\$40.76
16	Nathan Banks	do	36.29
18	Brodhead & Co	Tarleton	4.80
18	Barber & Ross	Rake .....	.40
23	Mary E. Murtfeldt	Services, July 1 to 15	24.19
25	Photo-Engraving Co	Plates and electros	6.30
25	Blake & Co	Naphthaline cones	5.00
25	John Akhurst	Insect pins	28.00
29	Joseph F. Collins	Building brick walls, etc	65.00
31	E. A. Schwarz <i>et al</i>	Salaries for July	788.05
Aug. 2	John C. Parker	Transfer cases	6.00
3	Library Bureau	Cards	3.84
6	W. G. Copeland & Co	Awnings, etc., for insectary	74.00
6	Geo. Ryneal, jr	Drawing paper	1.44
6	Washington Gas Light Co	Gas for July .....	.25
6	Herbert Osborn	Salary for July	50.00
6	Lawrence Bruner	do	50.00
6	Albert Koebele	do	126.40
10	Z. D. Gilman	Chemicals, etc	6.42
11	J. H. Larrabee	Salary and expenses for July	97.70
11	Photo-Engraving Co	Plates and electrotypes	16.90
12	Bausch & Lomb Optical Co	Balsam	1.12
13	D. W. Coquillett	Salary for July	126.40
22	A. B. Cordley	do	101.10
23	L. O. Howard	Expenses of trip to attend meeting of society	50.76
26	J. H. Larrabee	Salary, Aug. 1 to 15	40.76
30	Eimer & Amend	Rubber stoppers	10.83
31	E. A. Schwarz <i>et al</i>	Salaries for August	746.87
Sept. 2	F. M. Webster	Salary for July and Aug. 1 to 15	187.54
3	Lawrence Bruner	Salary for July and August	50.00
7	Herbert Osborn	Salary for August	50.00
9	Z. D. Gilman	Alcohol	5.15
13	D. W. Coquillett	Salary for August	126.40
15	Photo-Engraving Co	Engraving, etc	13.00
15	Theo. Pergande	Traveling expenses in August	2.75
16	Adams Express Co	Transportation	4.80
17	Albert Koebele	Salary for August	126.40
24	C. V. Riley	Traveling expenses	79.20
30	E. A. Schwarz <i>et al</i>	Salaries for September	785.80
	Total first quarter		3,940.62
Oct. 4	Lawrence Bruner	Salary for September	50.00
6	Albert Koebele	do	122.20
10	D. W. Coquillett	do	122.20
10	Chesapeake and Potomac Telephone Co.	Telephone rent, July 1 to Sept. 30	15.00
10	Photo-Engraving Co	Plates of insects	1.70
10	do	do	3.75
10	do	do	12.00
14	Herbert Osborn	Salary for September	50.00
18	United States Express Co	Transportation	1.20
20	Photo-Engraving Co	Engraving plates	10.30
22	Orndorff & Truxton	Wheat	1.10
25	Herman Baumgarten	Stamps	2.50
25	Photo-Engraving Co	Plates	16.70
31	Elisha T. Jenks	Keys	1.53
31	E. A. Schwarz <i>et al</i>	Salaries for October	812.10
Nov. 2	Frank Benton	Traveling expenses, October	41.75
3	Lawrence Bruner	Salary for October	50.00
3	Albert Koebele	do	126.40
3	Williamsburg Cork Works	Sheets	12.00
7	Washington Gaslight Co	Gas for October .....	.25
8	Herbert Osborn	Salary and expenses, October	68.82
8	Adams Express Co	Transportation	4.25
14	John C. Parker	Indexes	16.50
16	Photo-Engraving Co	Engraving plates	31.50
17	Theo. Pergande	Labor	3.00
18	H. C. Castle	Klips and keys	5.30
19	Moss Engraving Co	Engraving plates	6.85
23	Photo-Engraving Co	do	4.77
25	D. W. Coquillett	Salary and expenses, October	156.30
26	Photo-Engraving Co	Engraving plates	5.40
26	Woodward & Lothrop	Cotton bats	2.16
30	Barber & Ross	Watering pots, etc	3.20
30	United States Express Co	Transportation .....	.50
30	E. A. Schwarz <i>et al</i>	Salaries for November	785.80

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

INVESTIGATING THE HISTORY AND HABITS OF INSECTS—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 2	Albert Koebele	Salary for November	\$122.20
2	Photo-Engraving Co.	Engraving plates	1.60
5	do	do	37.85
5	Herbert Osborn	Salary for November	50.00
5	Washington Gaslight Co	Gas for November .....	.25
8	Lawrence Bruner	Salary for November	50.00
8	D. W. Coquillett	do	122.20
8	Blake & Co.	Forceps	4.50
12	Geo. Ryneal, jr.	Glass and brushes	9.60
12	Z. D. Gilman	Alcohol and watch glasses	4.65
12	Adams Express Co.	Transportation	2.70
15	Lawrence Bruner	Traveling expenses	8.10
16	Photo-Engraving Co.	Engraving plates	1.43
16	James W. Queen & Co.	Forceps	2.00
17	John Akhurst	Forceps and pins	8.00
17	Eimer & Amend	Rubber stoppers and box	72.59
19	Montgomery & Co.	Punches	7.00
21	Library Bureau	Index cards	7.60
29	Whitall, Tatum & Co	Shell vials	26.06
30	People's Dispatch Co.	Freight charges	1.35
30	Adams Express Co.	Transportation	6.50
31	Z. D. Gilman	Chloroform, etc.	9.50
31	E. A. Schwarz <i>et al.</i>	Salaries for December	812.10
	Total second quarter		3,914.81
1893.			
Jan. 4	Woodward & Lothrop	Muslin, etc.	2.15
4	M. Abbott Frazar	Insect pins	3.04
5	Herbert Osborn	Salary for December	50.00
5	Lawrence Bruner	do	50.00
5	Albert Koebele	do	126.40
6	Whitall, Tatum & Co	Vials	45.96
10	L. H. Hopkins	Saw, etc.	1.50
10	Chesapeake and Potomac Telephone Co.	Telephone rent, Oct. 1 to Dec. 31	15.00
10	John C. Parker	Lenses, etc.	9.00
10	D. W. Coquillett	Salary for December	126.40
14	Wyckoff, Seamans & Benedict	Remodeling typewriter	35.00
24	Woodward & Lothrop	Tablet	2.50
24	Brentanos	Fountain pen	3.00
25	Photo-Engraving Co.	Plates of insects	6.75
26	Dennison Manufacturing Co	Boxes and freight	87.32
28	Brentanos	Fountain pens	5.00
28	United States Express Co.	Transportation in December	4.85
31	E. A. Schwarz <i>et al.</i>	Salaries for January	830.00
Feb. 1	Albert Koebele	Salary for January	129.20
3	Herbert Osborn	do	50.00
4	John A. Power & Co	Plumbing	24.00
6	Lawrence Bruner	Salary for January	50.00
7	Washington Gaslight Co	Gas for January .....	.25
8	Z. D. Gilman	Alcohol and varnish	4.05
8	Geo. Ryneal, jr.	Wire .....	.10
9	D. W. Coquillett	Salary for January	129.20
11	Springmann's Express	Hauling, etc. ....	.75
13	Photo-Engraving Co.	Engraving and electro	3.70
15	Adams Express Co.	Transportation, December	8.15
16	L. H. Schneider's Son	Hardware .....	.25
20	Hanson Brothers	Electrotype cuts, etc.	3.60
29	Wheeler Manufacturing Co	Compound	5.05
21	F. W. Devoe & C. T. Reynolds Co.	Bristol board .....	.35
25	L. O. Howard	Trip to Manassas and return, February	2.65
27	C. V. Riley	Traveling expenses, January	54.25
Mar. 2	E. A. Schwarz <i>et al.</i>	Salaries for February	750.00
3	Truslow & Co.	Sheet cork	8.75
3	Lawrence Bruner	Salary for February	50.00
7	Otoje Takahashi	Salary for January	30.00
7	do	Salary for February	30.00
7	Herbert Osborn	do	50.00
7	Albert Koebele	do	116.60
8	The Jackson Jones Co	Cement .....	.50
8	Z. D. Gilman	Oil, alcohol, etc.	8.55
9	United States Express Co.	Transportation, January .....	.65
9	Blake & Co.	Forceps	4.50
10	Washington Gaslight Co	Gas for February .....	.25
15	L. H. Schneider's Son	Copper wire .....	.81
17	United States Express Co.	Transportation, January .....	.39
18	Burlington Drug Co.	Paris purple .....	.90

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

INVESTIGATING THE HISTORY AND HABITS OF INSECTS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 21	Adams Express Co	Transportation, January	\$1.65
23	Wheeler Manufacturing Co	Box I. X. L. Compound and freight	5.95
23	D. W. Coquillett	Salary for February	116.60
23	Blake & Co	Forceps	1.50
29	John Akhurst	Insect pins	2.50
29	Geo. W. Knox Express	Freight and drayage, February	4.20
30	Wyckoff, Seamans & Benedict	Repairs to typewriter	6.33
31	E. A. Schwarz <i>et al</i>	Salaries for March	862.90
	Total third quarter		3,922.86
Apr. 3	Photo-Engraving Co	Engraving	23.50
3	Joseph F. Collins	Labor and material for brick wall	15.00
8	The Chesapeake and Potomac Telephone Co.	Telephone rent, Jan. 1 to Mar. 31, 1893	15.00
8	L. H. Hopkins	Shears	1.75
10	Brentanos	Fountain pen	3.00
10	P. G. Sauer & Co	Warming oven	3.50
12	Lawrence Bruner	Salary for March	50.00
12	Albert Koebele	do	129.20
12	D. W. Coquillett	Salary and expenses, March	135.60
12	Photo-Engraving Co	Photo-engravings, etc	4.03
13	do	do	6.25
13	United States Express Co	Transportation, March	4.15
14	Herbert Osborn	Salary for March	50.00
14	Adams Express Co	Transportation, February	8.15
20	Photo-Engraving Co	Engraving plates	8.28
20	John Akhurst	Insect pins	12.00
21	Otoji Takahashi	Salary for March	30.00
26	John Green	Toiles achromatic lens	12.50
29	E. A. Schwarz	Expenses trip to Coleman's Falls, April	13.45
30	E. A. Schwarz <i>et al</i>	Salaries for April	755.60
May 1	Queen & Co., Incorporated	Slide boxes and circles	9.65
2	Mary E. Murtfeldt	Salary for April	50.00
2	Lawrence Bruner	do	50.00
2	Albert Koebele	do	123.60
4	Otoji Takahashi	do	30.00
5	Herbert Osborn	do	50.00
11	D. W. Coquillett	do	112.60
12	John A. Power & Co	Repairs to aquarium	10.00
12	Thos. Somerville & Sons	Brass nuts, etc	1.20
12	Woodward & Lothrop	Muslin and cheese cloth	2.75
12	Z. D. Gilman	Bottles, etc	23.23
13	Adams Express Co	Transportation in March	14.98
17	Photo-Engraving Co	Engraving plates	16.65
17	do	do	20.05
17	United States Express Co	Transportation in April	2.20
18	C. M. Bell	Making negatives	12.00
19	John C. Parker	Mimeograph	29.50
25	A. Eberly's Sons	Tin cans	1.40
25	Adams Express Co	Transportation in April	6.75
31	E. A. Schwarz <i>et al</i>	Salaries for May	778.80
June 3	J. Ter Kuile	Ocean freight and charges	8.26
5	Lawrence Bruner	Salary for May	50.00
6	Mary E. Murtfeldt	do	50.00
6	Herbert Osborn	do	50.00
6	Library Bureau	Index cards	3.20
6	Photo-Engraving Co	Plates, butterflies	11.00
6	C. V. Riley	Traveling expenses, May 22 to 24	17.10
8	D. W. Coquillett	Salary and expenses for May	133.90
8	Albert Koebele	Salary and expenses for May	204.90
9	Washington Gaslight Co	Gas for May	.25
10	Eimer & Amend	Rubber stoppers	17.19
10	Moss Engraving Co	Electro insect marks	.69
12	Geo. Ryneal, jr	Atomizer, etc	3.50
12	W. C. Newton & Co	Rollers, etc	1.65
12	Z. D. Gilman	Hellebore, etc	1.65
12	Albert Koebele	Traveling expenses in April	51.00
19	Photo-Engraving Co	Engraving plates	4.25
21	Edward P. Mertz	Forceps	3.60
21	F. H. Chittenden	Traveling expenses, Apr. 28 to June 19	2.54
22	Photo-Engraving Co	Photo-engraved plates	9.41
22	do	do	11.90
22	Adams Express Co	Transportation, May	4.20
27	Blake & Co	Pinning forceps	1.50
30	E. A. Schwarz <i>et al</i>	Salaries for June	755.60
	Total fourth quarter		4,034.61

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

INVESTIGATING THE HISTORY AND HABITS OF INSECTS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental.</i>			
1893.			
July, 3	Richard S. Lull	Salary, June 22 to 30	\$24.73
3	Lawrence Bruner	Salary for June	50.00
3	Herbert Osborn	do	50.00
6	Whitall, Tatum & Co	Shell vials	22.79
6	Mary E. Murtfeldt	Salary for June	50.00
7	Photo-Engraving Co.	Engraving	5.90
8	A. S. Packard	Salary for June	75.00
10	C. V. Riley	Expenses, June 16 to 25	79.95
18	Sam'l Henshaw	Salary for June	75.00
18	D. W. Coquillett	do	123.60
19	Jos. G. Barlow	do	50.00
19	John C. Parker	Indexes, etc	3.30
19	do	Transfer cases	6.00
20	W. A. Pierce & Co	Pins	1.00
20	J. Baumgarten & Son	Stamp rack	1.25
20	D. Ballauf	Vial blocks	50.00
20	The Chesapeake & Potomac Telephone Co.	Telephone rent, Apr. 1 to June 30	15.00
20	H. L. Crawford	Concreting	130.00
20	M. G. Copeland & Co.	Awnings	92.00
21	Herman Baumgarten	Stamps .....	.75
21	John H. Power & Co.	Repairs to aquarium	4.70
21	Sam'l Henshaw	Salary for April and May	150.00
24	Adams Express Co.	Transportation in June	2.90
27	The Standard Engraving Co.	Plate .....	.50
27	United States Express Co.	Transportation in June	1.20
Aug. 2	Albert Koebele	Salary and expenses for June	217.13
22	Otoji Takashashi	Salary for May and June	100.00
Sept. 1	Albert Koebele	Expenses in June	6.00
	Transportation orders .....	.....	64.20
	Total .....	.....	1,452.90

RECAPITULATION.

First quarter	\$3,940.62
Second quarter	3,914.81
Third quarter	3,922.86
Fourth quarter	4,034.61
Supplemental	1,452.90
Total	17,265.80

ORNITHOLOGY AND MAMMALOGY.

Date.	Name.	Nature of payment.	Total.
1892.			
July 18	J. B. Chamberlain	Film for kodak	\$6.00
30	William F. Rigden	Alcohol, crows' stomachs, etc	1.08
31	Edward A. Preble	Salary for July	101.10
31	Walter B. Barrows <i>et al.</i> ..	Salaries for July	302.70
Aug 1	H. H. Wickham	Birds' stomachs	4.80
1	E. A. Goldman	Salary for July	75.80
1	B. H. Dutcher	do	101.10
1	J. Alden Loring	do	101.10
1	Geo. A. Coleman	do	101.10
1	E. W. Nelson	do	151.60
1	Russell J. Thompson	do	54.20
4	A. K. Fisher	Expenses in July	76.13
9	Vernon Bailey	Salary for July	150.00
9	H. H. Brimley	Mammals	3.60
10	J. Baumgarten & Son	Numbering machine, etc	22.50
12	F. F. Crevecoeur	Birds' stomachs	13.50
13	F. B. Armstrong	Mammals	55.70
16	People's Dispatch Co.	Freight and drayage	11.75
17	Illinois Central R. R. Co.	Transportation	30.25
18	Atlantic & Pacific R. R. Co.	do	36.35
18	Franklin & Co.	Steel tape measures	6.00
20	United States Express Co.	Transportation in July	20.25
23	B. G. True	Crow stomachs, etc	2.25
26	M. A. Tappan	Primed shells, etc	5.50
31	W. B. Barrows <i>et al.</i>	Salaries for August	201.60

Expenditures Department of Agriculture for fiscal year ending June 30, 1893.—Cont'd.

ORNITHOLOGY AND MAMMALOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 31	E. W. Nelson.....	Salary for August.....	\$151.60
31	Clark P. Streator.....	do.....	117.90
31	Edward A. Preble.....	do.....	101.10
31	B. H. Dutcher.....	do.....	101.10
31	Geo. A. Coleman.....	do.....	101.10
31	E. A. Goldman.....	do.....	75.80
31	F. Stephens.....	Mammals.....	16.30
Sept. 2	Russell J. Thompson.....	Salary for August.....	84.20
5	The Atchison, Topeka and Santa Fe R. R. Co.	Transportation.....	12.05
7	Vernon Bailey.....	Salary for August.....	150.00
9	J. Alden Loring.....	do.....	101.10
13	M. A. Tappan.....	No. 5 shot, etc.....	3.15
15	Prescott and Arizona Central Rwy. Co.	Transportation.....	4.40
15	Woodward & Lothrop.....	Cotton batting.....	8.50
16	Adams Express Co.....	Transportation in July.....	24.40
19	Geo. A. Coleman.....	Salary, September 1 to 15.....	48.91
24	W. E. Traill.....	Mammals.....	55.19
26	Fred W. Koch.....	do.....	11.50
26	C. Ward Merriam.....	Expenses, trip to Roan Mountain, Tennessee, August.....	97.75
26	do.....	Expenses, trip to Roan Mountain, Tennessee, September.....	58.50
30	United States Express Co.....	Transportation in August.....	17.35
30	Z. D. Gilman.....	Arsenic.....	3.00
30	E. A. Goldman.....	Salary for September.....	73.40
30	J. Alden Loring.....	do.....	97.80
30	Clark P. Streator.....	do.....	114.20
30	E. W. Nelson.....	do.....	146.80
30	W. B. Barrows <i>et al</i>	Salaries for September.....	196.80
	Total first quarter.....		3,639.86
Oct. 1	J. R. Slonaker.....	Crows' stomachs.....	1.50
1	B. H. Dutcher.....	Salary for September.....	97.80
1	Vernon Bailey.....	do.....	150.00
3	Adams Express Co.....	Transportation in August.....	26.81
3	Geo. W. Knox Express.....	Transportation in July.....	1.77
4	Russell J. Thompson.....	Salary for September.....	81.60
6	Charles H. Marsh.....	Mammals.....	29.40
10	Chesapeake and Potomac Telephone Co.	Telephone rent, July 1 to September 30.....	15.00
10	Walter K. Fisher.....	Mammals.....	69.65
10	Baltimore and Ohio R. R. Co.	Transportation.....	20.85
10	Frank B. Armstrong.....	Mammals.....	33.20
10	Edward A. Preble.....	Salary for September.....	97.80
15	Bausch & Lomb Optical Co.	Compressors, etc.....	5.18
18	United States Express Co.	Transportation.....	48.00
22	F. J. Cullen.....	Photographs.....	27.00
28	Amon R. Shearer.....	Bird stomachs.....	1.60
28	Charles Eshorn, jr.....	Alcohol and jar.....	.50
28	E. M. Brener.....	Bird stomachs.....	1.75
31	W. B. Barrows <i>et al</i>	Salaries for October.....	201.60
Nov. 1	Vernon Bailey.....	Salary for October.....	150.00
1	Russell J. Thompson.....	do.....	84.20
1	Clark P. Streator.....	do.....	117.90
2	J. Alden Loring.....	do.....	101.10
2	E. W. Nelson.....	do.....	151.60
7	The Norris Peters Co.....	Printing map of Death Valley.....	5.00
8	E. A. Goldman.....	Salary for October.....	75.80
8	Z. D. Gilman.....	Forceps, etc.....	8.41
8	Adams Express Co.....	Transportation, September.....	14.90
9	M. Elmer Rambo.....	Alcohol and jars.....	1.10
9	Fred W. Koch.....	Mammals.....	4.55
11	A. E. Van Camp.....	do.....	1.00
11	F. S. Place.....	Alcohol.....	.30
16	Ned Hollister.....	Alcohol and jar.....	.55
16	J. P. Easton.....	Mammal.....	1.00
16	Charles H. Marsh.....	Mammals.....	14.50
26	J. W. Boteler & Son.....	Jar.....	.60
26	Walter K. Fisher.....	Mammals.....	3.85
28	W. G. W. Leizear.....	Bird stomachs.....	18.55
29	D. M. Swarr.....	Alcohol and jar.....	1.28
30	E. A. Goldman.....	Salary for November.....	73.40
30	J. Alden Loring.....	do.....	97.80
30	United States Express Co.....	Transportation in October.....	16.35
30	Russell J. Thompson.....	Salary for November.....	81.60
30	E. W. Nelson.....	do.....	146.80

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

ORNITHOLOGY AND MAMMALOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Nov. 30	Vernon Bailey	Salary for November	\$150.00
30	W. B. Barrows <i>et al.</i>	Salaries for November	196.80
Dec. 2	Chas. W. Richmond	Mammals	37.10
3	Clark P. Streater	Salary for November	114.20
6	John Robertson	Bird stomachs, etc.	2.90
8	G. W. Knox Express	Freight and drayage, September	4.37
12	Adams Express Co.	Transportation, October	18.85
13	Arthur W. Lord	Bird stomachs	2.40
15	United States Express Co.	Transportation, November	9.55
17	Chas. H. Marsh	Mammals	4.00
17	F. J. Cullen	Photographs	14.00
19	William H. Fitch	Alcohol	.25
19	E. & H. T. Anthony & Co.	Plate holders	5.00
20	W. W. Worthington	Mammals	1.00
20	The Northern Distillery	Alcohol	21.38
21	Will C. Colt	Alcohol and jars	3.80
28	Wyckoff, Seamans & Benedict.	Repairs to typewriters	4.58
30	Adams Express Co.	Transportation, November	21.30
31	E. A. Goldman	Salary for December	75.80
31	E. W. Nelson	do	151.60
31	J. Alden Loring	do	101.10
31	Vernon Bailey	do	150.00
31	Walter B. Barrows <i>et al.</i>	Salaries for December	201.60
	Total second quarter		3,374.73
1893.			
Jan. 7	John T. Oglesby	Mammal	2.50
10	Chesapeake and Potomac Telephone Co.	Telephone rent, Oct. 1 to Dec. 31	15.00
10	C. Hart Merriam	Traveling expenses	12.65
16	Henry C. Bailey	Mammal	10.00
16	Julius Bien & Co.	Plates of birds	2,088.00
17	R. M. Moore	Mammals	20.00
21	A. Hoen & Co.	5,000 copies plates of screech owl	95.00
24	Chas. H. Gilbert	Drawing specimens for Report on Death Valley.	35.00
24	Geo. W. Knox Express	Freight and drayage	3.07
27	Henry E. Williams	Mammals	8.25
28	Albert E. McConnell	Drawings	54.00
28	United States Express Co.	Transportation in December	10.15
31	E. A. Goldman	Salary for January	77.50
31	E. W. Nelson	do	155.00
31	J. Alden Loring	do	103.30
31	W. B. Barrows <i>et al.</i>	Salaries for January	205.00
Feb. 2	Vernon Bailey	Salary for January	150.00
4	R. M. Moore	Mammals	4.00
4	Z. D. Gilman	Vials and corks	18.84
8	Pedro Palavera	Mammals	77.70
11	Springmann's Express	Hauling	2.00
13	Chas. W. Richmond	Mammals	43.10
15	Elmer R. Edson	do	17.65
15	M. A. Tappan	Shells and powder	10.25
15	Adams Express Co.	Transportation, December	6.35
18	John Robertson	Crows' stomachs	3.60
28	E. W. Nelson	Salary for February	140.00
28	E. A. Goldman	do	70.00
28	Walter B. Barrows <i>et al.</i>	Salaries for February	190.00
Mar. 1	The Norris Peters Co.	Map	71.00
1	J. Alden Loring	Salary for February	33.40
1	Vernon Bailey	do	150.00
3	H. E. Williams	Mammals	2.00
3	F. Stephens	do	40.00
3	Ernest E. Thompson	Colored drawings of mammals	200.00
7	Wyckoff, Seamans & Benedict.	Repairs to typewriter	5.89
8	Z. D. Gilman	Alcoholometer, etc.	2.35
9	United States Express Co.	Transportation, January	21.85
17	do	Transportation, February	10.45
18	J. Baugarten & Son	Stamps	2.00
21	Adams Express Co.	Transportation, January	5.45
24	Amon R. Shearer	Birds' stomachs	4.25
24	M. A. Tappan	Shot	1.75
31	C. C. Chambers	Steel traps	18.63
31	Walter B. Barrows <i>et al.</i>	Salaries for March	278.33
	Total third quarter		4,535.26
Apr. 6	J. Alden Loring	Salary for March	103.30
8	The Chesapeake and Potomac Telephone Co.	Telephone rent Jan. 1 to March, 1893.	15.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

ORNITHOLOGY AND MAMMALOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 12	W. E. Trail	Mammals	\$47. 17
12	E. A. Goldman	Salary for March	77. 50
12	E. W. Nelson	do	155. 00
13	John S. Cairns	Mammals	3. 00
13	F. C. Parks	do	7. 00
13	Z. D. Gilman	Dissecting scissors	2. 55
13	United States Express Co.	Transportation, March	8. 55
14	Adams Express Co.	do	19. 45
17	Wm. Bartholomac	Corks	3. 00
24	John Akhurst	Insect pins	3. 00
26	Geo. B. Badger	Mammals	11. 25
29	Henry E. Williams	do	13. 50
30	W. B. Barrows <i>et al.</i>	Salaries for April	297. 20
May 1	R. M. Moore	Mammals	76. 00
5	J. Alden Loring	Salary for April	98. 90
6	Woodward & Lothrop	Cotton batting	4. 50
12	Z. D. Gilman	Arsenic	1. 20
13	Adams Express Co.	Transportation in March	6. 15
13	Geo. W. Knox Express	Freight charges	. 32
22	E. A. Goldman	Salary for April	74. 20
22	E. W. Nelson	do	148. 30
25	Walter K. Fisher	Mammals	2. 00
25	F. P. May & Co.	Traps	81. 00
25	Adams Express Co.	Transportation in April	16. 50
26	J. H. Lowry	Mammals	49. 75
31	E. A. Goldman	Salary for May	76. 60
31	E. W. Nelson	do	153. 40
31	Chas. H. Marsh	Specimens, mammals	2. 00
31	Vernon Bailey	Salary, May 16 to 21	77. 41
31	W. B. Barrows <i>et al.</i>	Salaries for May	349. 45
June 3	J. Ford Sempers	Alcohol	. 50
3	W. G. W. Leizear	Crow stomachs, etc.	4. 00
3	J. Alden Loring	Salary for May	102. 20
10	Willard E. Treat	Alcohol	. 50
20	United States Express Co.	Express transportation, May	1. 25
21	H. E. Williams	Mammals	8. 50
21	A. G. Wetherby	do	8. 00
22	Photo-Engraving Co.	Engraving plates	4. 40
21	Adams Express Co.	Transportation, May	46. 15
23	Ernest Betz	Labor and material; tin sparrow trap	4. 30
28	Charles D. Woodin	Mammals	8. 75
28	W. G. W. Leizear	Crow stomachs	25. 20
30	E. A. Goldman	Salary for June	74. 20
30	J. Alden Loring	do	98. 90
30	E. W. Nelson	do	148. 30
30	Vernon Bailey	do	150. 00
30	Walter B. Barrows	Salaries for June	366. 40
	Total fourth quarter		3, 035. 70
	<i>Supplemental.</i>		
July 5	A. K. Fisher	Expenses for June	33. 68
20	The Chesapeake and Potomac Telephone Co.	Telephone rent, April 1 to June 30	15. 00
20	Z. D. Gilman	Alum and arsenic	3. 00
20	do	Tubes and corks	79. 89
24	Adams Express Co.	Transportation in June	4. 75
25	F. F. Crevecoeur	Birds' stomachs	9. 45
27	United States Express Co.	Transportation in June	6. 75
27	do	do	1. 30
Sept. 2	Trautman, Bailey, Blampey	Illustration for Bulletin No. 4	150. 00
	Transportation orders		58. 40
	Total		362. 22

RECAPITULATION.

First quarter	\$3, 639. 83
Second quarter	3, 374. 76
Third quarter	4, 535. 26
Fourth quarter	3, 035. 70
Supplemental	362. 22
Total	14, 947. 77

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

POMOLOGICAL INFORMATION.

Date.	Name.	Nature of payment.	Total.
1892.			
July 31	W. N. Irwin <i>et al.</i>	Salaries for July	\$131.40
Aug. 3	T. T. Lyon	Salary for July	75.80
9	A. J. Philips	do	101.10
16	E. J. Pullman & Son	Seed plates	5.75
31	W. N. Irwin <i>et al.</i>	Salaries for August	131.40
Sept. 5	Wyckoff, Seamans & Benedict	Remodeling typewriter	35.00
7	T. T. Lyon	Salary for August	75.80
7	A. J. Philips	do	101.10
15	Pennsylvania R. R. Co.	Transportation	29.50
19	W. D. Taylor	Traveling expenses	1.30
26	H. E. Van Deman	do	106.70
30	W. N. Irwin <i>et al.</i>	Salaries for September	127.20
	Total first quarter		922.05
Oct. 3	Adams Express Co.	Transportation in August	1.25
6	T. T. Lyon	Salary for September	73.40
10	A. J. Philips	do	97.80
26	W. A. Taylor	Expenses, Sept. 27 to Oct. 10	17.00
31	W. N. Irwin <i>et al.</i>	Salaries for October	131.40
Nov. 2	A. J. Philips	Salary for October	101.10
8	Adams Express Co.	Transportation, September	6.15
10	T. T. Lyon	Salary for October	75.80
30	United States Express Co.	Transportation in October	.35
30	W. N. Irwin <i>et al.</i>	Salaries for November	127.20
Dec. 3	A. J. Philips	Salary for November	97.80
5	T. J. May	Plants of Oregon hazel	5.00
5	T. T. Lyon	Salary for November	73.40
5	John S. Harris	Salary and expenses, Aug. 1 to Oct. 31	266.63
7	P. J. Dean	Kola nuts and freight	7.00
15	E. J. Pullman & Son	Seed dry plates	1.20
20	Alex. Schmid	Boxes	8.10
31	T. V. Munson	Photo prints of grapes	10.00
31	A. J. Philips	Salary for December	101.10
31	W. N. Irwin <i>et al.</i>	Salaries for December	131.40
	Total second quarter		1,333.08
1893.			
Jan. 5	T. T. Lyon	Salary for December	75.80
9	Easton & Rupp	Index cards	9.00
11	Chicago, Rock Island and Pacific R. R. Co.	Transportation	42.50
16	Photo-Engraving Co.	Photo-engraving and electros	4.35
24	H. E. Van Deman	Expenses, January	12.18
31	W. N. Irwin <i>et al.</i>	Salaries for January	134.30
Feb. 3	Easton & Rupp	Library cards	9.00
6	T. T. Lyon	Salary for January	77.50
8	Wm. A. Taylor	Expenses Jan. 15 to 26	25.65
11	E. J. Pullman	Eastman film	3.00
20	New York and New England R. R. Co.	Transportation, Taylor, January	2.75
23	Maine Central R. R. Co.	do	9.35
27	H. E. Van Deman	Traveling expenses to Manassas, February	3.05
28	W. N. Irwin <i>et al.</i>	Salaries for February	180.60
Mar. 2	Greens Nursery Co.	Apple seedlings	6.00
3	T. T. Lyon	Salary for February	70.00
9	Easton & Rupp	Repairs to stamp, etc.	19.00
9	United States Express Co.	Transportation, January	1.85
15	Albinson & Chase	Tin boxes	12.98
16	Library Bureau	Stationery, etc.	56.50
17	United States Express Co.	Transportation, February	1.10
20	Library Bureau	Bristol guides	5.00
20	Baltimore and Ohio R. R. Co.	Transportation, Taylor, January, 1893	16.25
21	Adams Express Co.	do	2.15
23	Easton & Rupp	Blank cards	1.10
27	E. Morrison Paper Co.	Cards	9.00
31	W. N. Irwin <i>et al.</i>	Salaries for March	224.80
	Total third quarter		1,014.77
Apr. 3	Library Bureau	Bristol guides	10.00
12	T. T. Lyon	Salary for March	77.50
13	United States Express Co.	Transportation, March	1.75
24	Geo. W. Knox Express	do	.86
30	W. N. Irwin <i>et al.</i>	Salaries for April	217.78
May 1	New York, New Haven and Hartford R. R. Co.	Transportation, Taylor, January	9.10
4	T. T. Lyon	Salary for April	74.20

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

POMOLOGICAL INFORMATION—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
May, 12	Russell & Fudge	Photos of cocoanut trees	\$3.06
25	Adams Express Co	Transportation in April	4.50
31	W. P. Corsa <i>et al</i>	Salaries for May	315.80
June 6	T. T. Lyon	Salary for May	76.60
6	G. B. Brackett	do	170.40
27	H. E. Van Deman	Traveling expenses, June 5 to 14	16.50
30	W. P. Corsa <i>et al</i>	Salaries for June	307.10
Total fourth quarter			1,285.09
<i>Supplemental.</i>			
July 1	Annie C. Bell, executrix C. M. Bell	Photographic supplies	21.60
6	Alex. Schmid	Mailing boxes	60.00
7	T. T. Lyon	Salary for June	74.20
24	Pennsylvania R. R. Co	Transportation, Van Deman, in June	17.00
	Transportation orders		18.15
Total			190.95

RECAPITULATION.

First quarter	\$922.05
Second quarter	1,333.08
Third quarter	1,014.77
Fourth quarter	1,285.09
Supplemental	190.95
Total	4,745.94

MICROSCOPICAL INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 5	Wyckoff, Seamans & Benedict	Wire, etc., for typewriter	\$0.58
16	Adams Express Co	Transportation in July	1.70
30	United States Express Co	Transportation in August	1.50
Total first quarter			3.78
Oct. 8	Thomas Taylor	Traveling expenses to New Orleans	57.30
20	Richmond and Danville R. R	Transportation	27.50
Nov. 8	Adams Express Co	do .....	.65
26	The Orcutt Co	Plates of edible mushrooms	150.00
26	C. M. Bell	Negatives of mushrooms	10.00
Dec. 13	N. V. Randolph & Co	Binders	2.50
15	E. J. Pullman	Plate holders	7.29
21	Geo. W. Knox Express	Freight and drayage	1.22
22	Bausch & Lomb Optical Co	Gauge and glue	3.47
28	Wyckoff, Seamans & Benedict	Repairs to typewriter	40.00
28	Louisville and Nashville R. R. Co	Transportation	27.50
Total second quarter			327.43
1893.			
Mar. 9	United States Express Co	Transportation, January .....	.25
17	do	Transportation, February	1.15
25	N. V. Randolph & Co	Binders	6.50
29	Williams, Brown & Earle	Covers, etc	2.46
Total third quarter			10.36
Apr. 10	Geo. Ryneal, jr	Paints	1.40
13	United States Express Co	Transportation, March .....	.70
18	Queen & Co., incorporated	Spectroscope, etc	125.14
22	do	Repairing binoculars, etc	201.75
May 12	Geo. Ryneal, jr	Paints and brushes	3.73
12	Z. D. Gilman	Alcohol, etc	4.25
13	Adams Express Co	Transportation in March	1.45
13	Geo. W. Knox Express	Freight charges, April .....	.90
16	Photo-Engraving Co	Engraving plates	2.75
25	Adams Express Co	Transportation in April	1.60
June 3	Trautmann, Bailey & Blampay	Illustrations of Report Microscopy, 1892	425.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

MICROSCOPICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
June 12	Geo. Ryneal, jr	1 light glass	\$0. 88
19	Queen & Co., incorporated	1 box Egyptian colors	6. 00
24	Keuffel & Esser Co.	Paragon scale	1. 04
24	do	Drawing table	45. 00
27	Photo-Engraving Co.	Engraved plate	12. 80
	Total fourth quarter		834. 89
	<i>Supplemental.</i>		
July 1	Annie C. Bell, executrix C. M. Bell	Making negatives	30. 00
20	John C. Parker	Cap board .....	.52
20	Z. D. Gilman	Bottles	21. 00
21	Sackett & Wilhelms Lithographic Co.	Lithographic illustrations for 1891 report.	375. 00
Oct. 23	Stecher Lithographic Co.	Plates	380. 00
	Total		806. 52

RECAPITULATION.

First quarter	\$3. 78
Second quarter	327. 43
Third quarter	10. 36
Fourth quarter	834. 89
Supplemental	806. 52
Total	1,982. 98

VEGETABLE PATHOLOGY.

Date.	Name.	Nature of payment.	Total.
1892.			
July 9	Cordley & Hayes	Pumps	\$10. 00
18	Peter Henderson & Co.	Celery and protecting cloth	9. 25
19	Eimer & Amend	Palladium chloride	1. 80
21	W. S. Powell & Co.	Sulphur	4. 59
21	W. M. Whyte & Bro	Tags	7. 75
21	Albinson & Chase	Pipe, pump, clock, etc.	40. 36
21	Wm. E. Clark & Co.	Guano, etc	16. 77
25	Robert Leitch & Sons	Gauge, repairs to pump, etc.	28. 28
30	M. B. Waite	Traveling expenses	17. 50
30	Henry Heil	Hygrometer	6. 00
31	E. F. Smith <i>et al</i>	Salaries for July	720. 00
Aug. 3	D. G. Fairchild	Salary for July	117. 90
8	J. B. Ellis	do	25. 00
9	Joseph F. James	Traveling expenses	3. 17
11	W. T. Swingle	Salary for July	117. 90
13	The Goulds Manufacturing Co.	Spraying pumps	32. 40
16	Newton B. Pierce	Salary for July	150. 00
17	Z. D. Gilman	Chemicals	24. 57
17	E. Morrison Paper Co	Copying books	5. 20
18	B. T. Galloway	Labor and expenses, July	18. 89
18	P. H. Dorsett	Expenses, July	12. 36
23	Wm. E. Clark & Co.	Machine	9. 00
31	E. F. Smith <i>et al</i>	Salaries for August	822. 10
31	W. T. Swingle	Traveling expenses	26. 84
Sept. 3	P. H. Dorsett	Expenses for August	11. 69
6	D. G. Fairchild	Salary for August	117. 90
12	Photo-Engraving Co.	Making plates	12. 00
15	The Nichols Chemical Co.	Blue vitriol	1. 50
15	J. B. Chamberlain	Plates	6. 00
16	Jacksonville, Tampa and Key West Rwy Co.	Transportation	26. 40
16	Adams Express Co.	do	3. 35
17	H. A. Hyatt	Plates	3. 50
19	Church & Stephenson	Lumber	8. 14
19	Geo. W. Knox Express	Freight charges .....	.42
19	J. B. Ellis	Salary for August	25. 00
28	E. G. Brick	Experiments on sweet potatoes	50. 00
28	Eastman Kodak Co.	Developing photographs	9. 72
30	Michigan Central R. R. Co	Transportation	6. 80

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

VEGETABLE PATHOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 30	D. G. Fairchild	Salary for September	\$114.20
30	E. F. Smith <i>et al</i>	Salaries for September	795.80
	Total first quarter		3,430.05
Oct. 1	John C. Parker	Library case and blocks	16.60
1	Erwin F. Smith	Expenses in July and August	62.16
1	do	Expenses, Aug. 24 to Sept. 26	80.45
3	Adams Express Co	Transportation	5.05
3	W. T. Swingle	Salary, Aug. 1 to Sept. 30	232.10
5	J. B. Ellis	North American fungi	7.00
5	do	Salary for September	25.00
5	Photo-Engraving Co	Plates—grapes	10.00
7	H. J. Webber	Salary, Sept. 15 to 30	52.17
7	B. T. Galloway	Expenses, Aug. 23 to Sept. 3	28.55
10	Z. D. Gillman	Chemicals, etc	49.17
10	Baltimore and Ohio R. R. Co	Transportation	21.00
13	E. Bartholomew	Salary, July, August, and September	60.00
13	W. T. Swingle	Expenses, Aug. 30 to Sept. 19	41.75
18	United States Express Co	Transportation	3.10
18	Eimer & Amend	Chemicals	2.40
19	A. B. Seymour	Two copies Economic Fungi	12.20
20	H. J. Webber	Salary, Oct. 1-15	48.91
24	do	Expenses in October	47.00
26	B. T. Galloway	Expenses in August and September	20.78
27	Maurice Joyce	Engraving plates	86.00
28	J. F. Swingle	Report on experiments on wheat rust	50.00
31	W. S. Powell & Co.	Sulphate of copper, etc	14.33
31	E. F. Smith <i>et al</i>	Salaries for October	821.10
Nov. 1	H. J. Webber	Salary, Oct. 16 to 31	52.17
1	Eimer & Amend	Cupric acetate and dishes	2.80
2	W. T. Swingle	Salary for October	117.90
3	J. B. Ellis	do	25.00
8	Adams Express Co	Transportation	3.15
9	H. J. Webber	Expenses in October	19.10
10	W. T. Swingle	do	15.60
10	J. B. Smith	Map of Delaware	3.50
10	P. H. Dorsett	Expenses in September and October	6.72
10	Erwin F. Smith	do	46.18
10	do	Expenses, Oct. 27 to Nov. 3	17.88
11	N. H. Darton	Services, Sept. 27 to Oct. 6	22.50
14	Seibel-Suessdorf Copper and Iron Manufacturing Co.	Paraffine bath	18.35
14	Newton B. Pierce	Expenses in July	18.60
14	do	Expenses in August	24.85
14	do	Expenses in September	15.65
14	do	Expenses in October	4.90
14	do	Salary for August	150.00
14	do	Salary for September	150.00
14	do	Salary for October	150.00
15	D. G. Fairchild	Expenses in August and September	78.07
16	G. D. Lind	Glass vials	10.50
17	F. P. May & Co	Saws, planes, etc	14.70
23	B. T. Galloway	Traveling expenses	25.95
26	S. C. Cissel	Gas machines, etc	164.60
30	H. J. Webber	Salary for November	97.80
30	W. T. Swingle	do	114.20
30	United States Express Co	Transportation	11.57
30	E. F. Smith <i>et al</i>	Salaries for November	983.40
Dec. 2	E. Bartholomew	Salary and extra labor	30.00
5	Eastman Kodak Co	Developing and printing photographs	2.80
5	J. B. Ellis	Salary for November	25.00
8	W. T. Swingle	Traveling expenses, November	23.15
9	E. Bartholomew	Salary for November	20.00
9	Lyman Phelps	Orange tree fertilizer	40.00
12	J. B. Chamberlain	Printing frames, etc	20.23
12	Adams Express Co	Transportation	8.95
13	Newton B. Pierce	Expenses, November	3.30
13	do	Salary, November	150.00
14	B. T. Galloway	Expenses in November	6.95
16	Pennsylvania Railroad Co	Transportation	26.74
16	do	do	27.30
16	H. J. Webber	Expenses in November	16.35
16	Eimer & Amend	Chemicals, etc	55.74
16	D. G. Fairchild	Expenses in October	34.47
16	M. B. White	do	14.25
21	Geo. W. Knox Express	Drayage	1.00
21	John C. Parker	Book supports and freight	4.20
22	C. E. Springman	Freight charges, etc	50.46

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

VEGETABLE PATHOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 30	Adams Express Co.	Transportation	\$11.50
31	E. Bartholomew	Salary for December	20.00
31	H. J. Webber	do	101.10
31	W. T. Swingle	do	117.90
31	P. H. Dorsett	Expenses, Dec. 19 to 24	12.40
31	Erwin F. Smith <i>et al</i>	Salaries for December	1,091.60
	Total second quarter		6,078.45
1893.			
Jan. 4	J. B. Ellis	Salary for December	25.00
9	J. F. Russell	Fruit jars	5.60
11	The Northern Distillery	Alcohol	20.47
11	W. T. Swingle	Expenses, Nov. 22 to Dec. 31	5.65
12	Newton B. Pierce	Salary and expenses, December	151.45
14	W. M. Whyte & Bro	Galvanized plates	8.16
17	Ernest Betz	Tin tank	18.00
17	M. B. Waite	Expenses, Jan. 10 to 13	11.28
19	Erwin F. Smith	Expenses, Dec. 26 to Jan. 10	41.15
21	American Florist Co	The American Florist, volume 1	3.00
21	Eimer & Amend	Bottles, glasses, etc	118.73
24	Erwin F. Smith	Expenses, January	12.85
24	Geo. W. Knox Express	Freight and drayage on alcohol	3.07
28	United States Express Co.	Transportation	1.60
31	E. F. Smith <i>et al</i>	Salaries for January	744.00
Feb. 3	E. Bartholomew	Salary for January	20.00
3	J. B. Ellis	do	25.00
3	H. J. Webber	do	103.30
3	W. T. Swingle	do	120.60
3	B. F. Stevens	Books, etc	72.55
4	Eimer & Amend	Balance, weights, etc	50.70
6	New York, New Haven and Hartford R. R. Co.	Transportation, Dorsett, December	11.55
6	I. B. Chamberlain	Soda, potash, etc	2.17
8	Z. D. Gilman	Glycerine, etc	10.94
8	M. B. Waite	Traveling expenses, Washington to Rochester and return	26.71
9	C. L. Shear	Fungi	6.00
9	Tice & Lynch	Duty, etc., on books	10.70
9	B. T. Galloway	Expenses in December	5.33
10	W. T. Swingle	Expenses in January	26.29
11	Coolbaugh & Co.	Soap	11.40
11	Baltimore and Ohio R. R. Co.	Transportation, Dorsett, December	6.50
11	Robert Leitch & Sons	Repairs, etc., on spraying apparatus	12.96
11	Geo. W. Knox Express	Freight on books	1.62
13	Newton B. Pierce	Salary and expenses, January	164.25
13	Eimer & Amend	Thermometers	9.00
14	L. N. Herrick	Gasoline drums	29.36
15	Adams Express Co.	Transportation, December	3.85
17	Richmond and Danville R. R.	Transportation, Smith, October and November	35.00
17	Thos. C. Keys	Chairs and curtains	11.50
20	Bausch & Lomb Optical Co	Forceps, etc	19.09
24	Wyckoff, Seamans & Benedict	Remodeling typewriter	40.00
27	A. B. Seymour	Specimens fungi	6.00
27	B. T. Galloway	Traveling expenses, February	10.75
27	D. G. Fairchild	Expenses in February	3.25
28	H. J. Webber	Salary for February	93.40
28	W. T. Swingle	Salary for February	108.80
28	Erwin F. Smith <i>et al</i>	Salaries for February	672.00
Mar. 7	H. J. Webber	Expenses, Jan. 5 to Feb. 13	6.07
7	Eimer & Amend	Glass, wool, etc	8.60
8	N. V. Randolph & Co	Pamphlet covers	5.00
8	Broquet	Spraying apparatus	4.18
9	United States Express Co.	Transportation, January	6.30
11	John C. Parker	Index cards and tin box	21.75
11	E. Bartholomew	Salary for February	20.00
11	W. T. Swingle	Expenses in February	9.65
11	Newton B. Pierce	Salary and expenses for February	155.55
15	The Nichols Chemical Co.	Vitriol	13.50
15	The Powers Duplex Regulator Co	Duplex regulator	24.00
15	Bausch & Lomb Optical Co	Slips, glasses, etc	44.99
15	Albert C. Latimer	Palettes	1.35
15	W. S. Powell & Co	Copper sulphate	1.50
16	J. B. Ellis	Salary for February	25.00
17	United States Express Co.	Transportation, February	1.95
18	J. B. Ellis	"North American Fungi"	7.00
21	Eastman Kodak Co.	Photographic supplies	14.25
21	Adams Express Co.	Transportation, January	6.10

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd

VEGETABLE PATHOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 24	G. M. Davis & Son	Water tank	\$24.38
25	Erwin F. Smith	Expenses in February	13.43
28	W. D. Kimball	Ladder	6.00
28	L. B. Lee	Zinc tags	9.00
28	P. A. Ross	Brick, lumber, etc	149.37
28	M. B. Waite	Traveling expenses, February	3.10
31	H. J. Webber	Salary for March	103.30
31	W. T. Swingle	do	120.60
31	Erwin F. Smith <i>et al</i>	Salaries for March	795.70
	Total third quarter		4,502.20
Apr. 12	E. Bartholomew	Salary for March	20.00
12	J. B. Ellis	do	25.00
12	Photo-Engraving Co.	Photo-engravings, etc	174.95
12	N. V. Randolph & Co	Pamphlets	12.50
12	Eimer & Amend	Micros opestand, etc	148.20
12	do	Objectives, etc	527.87
13	H. J. Webber	Expenses for March	9.75
13	W. T. Swingle	do	22.67
13	W. M. White & Bro.	Zinc tags, etc	4.05
13	The Standard Engraving Co.	Engraving plate	4.25
13	United States Express Co.	Transportation, March	2.00
14	B. O. Hall	Gas fixtures, etc., Eustis, Fla	79.96
14	Newton B. Pierce	Salary and expenses, March	167.90
14	Adams Express Co.	Transportation, February	9.80
14	Paul Hiser, jr., & Bro	Flower pots	1.75
21	People's Dispatch Co	Transportation hardware, January	.35
24	Geo. W. Knox Express	Freight, March	.96
25	M. B. Waite	Traveling expenses, Apr. 16 to 19	16.00
29	B. F. Stevens	Freight charges in December and January	29.97
29	Wyckoff, Seamans & Benedict	Repairing typewriter	6.50
30	W. T. Swingle	Salary for April	115.40
30	H. J. Webber	do	98.90
30	E. F. Smith <i>et al</i>	Salaries for April	766.50
May 1	New York, New Haven and Hartford R. R. Co.	Transportation, Dorsett, December	4.30
1	E. Bartholomew	Salary for April	20.00
2	Oswald Weigel	Foreign publications	413.50
4	J. B. Ellis	Salary for April	25.00
5	H. J. Webber	Expenses for April	26.95
5	W. T. Swingle	do	33.79
6	P. H. Dorsett	Expenses, Nov. 1 to Apr. 29	8.27
11	B. T. Galloway	Expenses, February, March, and April	8.37
12	The Scovill Adams Co.	Adjustable tripod	3.50
12	The Nixon Nozzle and Machine Co.	Pump	15.00
12	Bausch & Lomb Optical Co	Lens, etc	28.13
12	The Blair Camera Co	do	31.88
13	Nathaniel B. Fugitt	Rent land, Sept. 1 to Apr. 30, 1893	16.00
13	Adams Express Co.	Transportation in March	7.40
13	Royce & Marean	Electrical supplies	2.25
13	Geo. W. Knox Express	Freight charges, March and April	2.91
15	May Varney	Salary, May 1 to 11	30.22
15	W. S. Powell & Co	Carbonate of copper, etc	9.55
15	The Nichols Chemical Co	Blue vitriol	13.50
15	P. A. Ross	Erecting water tank, etc	14.21
17	United States Express Co.	Transportation in April	6.65
25	Selover & Atwood	Pear seedlings	4.00
25	Adams Express Co.	Transportation in April	21.40
29	M. A. Seed Dry Plate Co	Negative films	12.60
31	H. J. Webber	Salary for May	102.20
31	W. T. Swingle	do	119.20
31	E. F. Smith <i>et al</i>	Salaries for May	712.00
June 3	P. H. Dorsett	Miscellaneous supplies, soap and traveling expenses.	16.28
5	J. B. Ellis	Salary for May	25.00
6	E. Bartholomew	Salary for May	20.00
6	People's Dispatch Co	Freight charges, March	2.25
10	Eimer & Amend	Glass jars, etc	49.54
10	Whitall, Tatum & Co	Glass bottles, etc	6.28
12	M. B. Waite	Traveling expenses, April	23.80
13	A. B. Seymour	Specimens fungi	18.00
13	H. J. Webber	Traveling expenses, May	6.35
20	Z. D. Gilman	Chemicals	7.05
20	United States Express Co	Express transportation, May	.80
20	do	do	7.75
20	W. T. Swingle	Traveling expenses, May	15.74
21	K. D. Davis	Cleaning band	35.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

VEGETABLE PATHOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
June 21	Newton B. Pierce	Salary and expenses, April	\$157.75
22	Adams Express Co.	Transportation, May	1.60
23	Robert Leitch & Sons	Hose, etc.	14.00
29	W. S. Maxwell	Land rent Nov. 1, 1892, to June 30, 1893	50.00
29	B. F. Stevens	"Orange Culture in New England" .....	.83
30	W. T. Swingle	Salary for June	115.40
30	H. J. Webber	do	98.90
30	Erwin F. Smith <i>et al</i>	Salaries for June	689.00
Total fourth quarter			5,299.33
<i>Supplemental.</i>			
July 1	E. Bartholomew	Salary for June	20.00
3	Eimer & Amend	Glass dishes	11.05
6	J. B. Ellis	Salary for June	25.00
7	H. J. Webber	Expenses for June	3.85
7	P. H. Dorsett	do	10.76
7	Annie C. Bell, executrix of C. M. Bell	Prints and negatives	8.50
7	N. B. Fugitt	Land rent, Garrett Park, April 30 to June 30	4.00
10	M. B. Waite	Expenses in May and June	113.68
19	Newton B. Pierce	Salary for May	150.00
19	do	Salary for June	150.00
21	W. T. Swingle	Expenses for June	5.10
24	Adams Express Co.	Transportation in June	2.30
27	United States Express Co.	do	1.70
Aug. 9	Geo. W. Knox Express	Freight and drayage in June	8.85
Sept. 16	Newton B. Pierce	Expenses in May	67.45
16	do	Expenses in June	16.40
19	Adams Express Co.	Transportation in December, 1892	2.45
Oct. 17	Jacksonville, Tampa and Key West Rwy. Co.	Transportation, Webber, in October, 1892	1.70
	Transportation orders		44.10
Total			646.89

RECAPITULATION.

First quarter	\$3,430.05
Second quarter	6,078.45
Third quarter	4,502.20
Fourth quarter	5,299.33
Supplemental	646.89
Total	19,956.92

LABORATORY.

Date.	Name.	Nature of payment.	Total.
1892.			
July 21	Eimer & Amend	Digestion flasks	\$32.80
21	Z. D. Gilman	Furnace, clamps, etc.	181.63
29	Ernest Betz	Copper steam baths, etc.	91.00
31	Nannie Thompson	9 days' labor, July 1-15	9.00
31	James F. Corridon <i>et al</i>	Salaries for July	202.00
Aug. 1	Emil Greiner	Flasks	88.00
2	Z. D. Gilman	Chemicals, etc.	682.22
6	Washington Gaslight Co.	Gas for July	20.75
6	L. H. Schneider's Son	Belting .....	.36
9	Emil Greiner	Gas regulators	5.62
10	Eimer & Amend	Platinum dishes	218.88
10	C. A. Schneider's Sons	Cast-iron plates, etc.	78.90
12	The United States Electric Lighting Co.	Electrical supplies, July	13.20
12	Z. D. Gilman	Tubing, glycerine, etc.	207.46
12	Church & Stephenson	Lumber	27.96
18	W. D. Bigelow	Labor, Aug. 1 to 18, inclusive	24.00
24	Thos. Somerville & Sons	Angle valves, etc.	52.79
31	James F. Corridon <i>et al</i>	Salaries for August	209.50
Sept. 2	Geo. E. Hutchins	Galvanized fittings, etc.	163.45
5	Washington Gaslight Co.	Gas in August	18.50

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1892. Sept. 10	The United States Electric Lighting Co.	Electric current, August	\$5.40
10	Baker & Adamson	Chemicals	9.80
12	Eimer & Amend	Filter tubes, etc.	31.75
13	Ernest Kubel	Copper tank, etc.	102.20
14	Ernest Betz	Roofing, etc.	118.43
15	Z. D. Gilman	Chemicals	75.48
16	Seaton Perry	Towels	23.04
16	Adams Express Co.	Transportation, July	2.80
17	Royce & Marean	Wiring, plugs, etc.	27.50
28	American Ice Co.	Coal	33.20
30	Jas. F. Corridon <i>et al.</i>	Salaries for September	124.00
	Total laboratory		2,881.62
	Total rent		150.00
	Total adulteration of food		1,567.18
	Total first quarter		4,598.80
Oct. 1	Ernest Betz	Brass frames, etc.	58.50
3	Adams Express Co.	Transportation in August	2.00
4	Ernest Kübel	Tube for microscope, etc.	67.86
7	Washington Gaslight Co.	Gas for September	15.25
10	Wm. B. Morgan	Magnesia plastic	5.00
10	Chesapeake and Potomac Telephone Co.	Telephone rent, July 1 to Sept. 30	15.00
10	Z. D. Gilman	Beakers, tubing, etc.	191.08
14	L. H. Hopkins	Hardware	3.08
26	Eimer & Amend	Crucibles	8.40
31	Jas. F. Corridon <i>et al.</i>	Salaries for October	122.50
Nov. 3	Baker & Adamson	Sulphuric acid, bottles and case	13.42
3	do	Ammonia, bottles and case	14.20
3	The United States Electric Lighting Co.	Electric light, September and October	4.92
7	Washington Gaslight Co.	Gas for October	15.50
8	Z. D. Gilman	Flasks, etc.	73.55
10	John A. Power	Plumbing	10.00
11	W. B. Moses & Sons	Chairs	10.50
11	Ernest Betz	Kettle and repairs to wheelbarrow	8.25
19	R. J. Shepherd	Valve, etc.	5.80
26	Pettit & Dripps	Repairs to boiler, etc.	116.00
30	James F. Corridon <i>et al.</i>	Salaries for November	86.50
Dec. 5	Washington Gaslight Co.	Gas for November	9.25
6	The United States Electric Lighting Co.	Electric light, November	4.18
7	W. Borchardt	Soil drill	6.40
8	Geo. W. Knox Express	Freight and drainage, September .....	.99
8	Eimer & Amend	Test tubes, etc.	86.95
12	do	Tubing	5.00
12	Z. D. Gilman	Chemicals etc.	33.79
12	Adams Express Co.	Transportation, October	5.45
20	Robt. Leitch & Sons	Asbestos	3.00
21	Geo. W. Knox Express	Freight and drayage on cases acid	1.45
24	C. E. Springman	Cartage	1.00
31	Jas. F. Corridon <i>et al.</i>	Salaries for December	82.00
	Total laboratory		1,086.77
	Total rent, laboratory		225.00
	Total adulteration of food		1,432.81
	Total second quarter		2,744.58
1893. Jan. 7	The United States Electric Lighting Co.	Electric light, December	4.13
7	Washington Gaslight Co.	Gas	22.75
9	Geo. H. Gaddis & Co.	Gas radiator	12.00
10	Chesapeake and Potomac Telephone Co.	Telephone rent, Oct. 1 to Dec. 31	15.00
14	Thos. Somerville & Sons	Leather belting	5.85
14	Royce & Marean	Repairs to electric light, wires, etc.	1.75
14	Z. D. Gilman	Chemicals, etc.	58.54
24	Geo. W. Knox Express	Freight on seeds	12.69
28	United States Express Co.	Transportation in December .....	.90
31	Jas. F. Corridon	Salary for January	51.70
Feb. 2	Forsberg & Murray	Smoke stack	97.00
7	The United States Electric Lighting Co.	Electric light, January	6.32

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 7	Washington Gaslight Co.	Gas, January	\$33.50
8	Thos. Somerville & Sons	Repairs to cutter	1.00
11	Z. D. Gilman	Beakers, flasks, etc	143.66
15	Adams Express Co	Transportation, December	2.80
17	Robert Leitch & Sons	Asbestos	2.00
18	Wilmarth & Edmonston	Filter and plumbing	37.74
24	W. B. Moses & Sons	Office chairs	22.00
28	James F. Corridon <i>et al.</i>	Salaries for February	66.10
Mar. 2	John A. Power & Co	Plumbing	7.80
2	Ernest Betz	do	8.50
7	The United States Electric Lighting Co.	Electric current, February	6.33
9	United States Express Co	Transportation, January	1.35
10	Washington Gaslight Co.	Gas for February	33.75
15	Geo. E. Hutchins	Plumbing	22.53
15	Z. D. Gilman	Mufflers, burners, etc	113.70
17	United States Express Co	Transportation, February	1.45
18	Ernest Kübel	Repairing apparatus	11.50
20	Woodward & Lothrop	Towels	20.16
20	People's Dispatch Co	Transportation, box, January .....	.25
21	Adams Express Co	do	18.05
29	Z. D. Gilman	Beakers, weights, and balances	243.10
29	Geo. W. Knox Express	Freight and drayage, Sept. 5 .....	.60
29	do	Freight and drayage, February	1.98
31	Royce & Marean	Repairing electric lights	1.25
31	Jas. F. Corridon	Salary for March	51.70
	Total laboratory		1,141.43
	Total rent		225.00
	Total adulteration of food		3,405.48
	Total third quarter		4,771.91
Apr. 8	The United States Electric Lighting Co.	Electric light, March	3.99
8	Ernest Betz	Making drying oven, etc	13.95
8	The Chesapeake and Potomac Telephone Co.	Telephone rent, Jan. 1 to Mar. 31, 1893	15.00
8	Washington Gaslight Co.	Gas for March	26.00
10	Thos. Somerville & Sons	Pump springs .....	.60
10	Geo. Ryneal, jr.	Skylight glass	1.95
12	Eimer & Amend	Wire, etc	4.84
12	Emil Greiner	Flasks	6.00
13	Eimer & Amend	Test tubes	21.90
13	Z. D. Gilman	Furnace burner, etc	24.38
13	Ernest Kübel	Lamp attachments, etc	15.10
13	United States Express Co	Transportation, March	3.95
17	Thos. H. White & Co	Express charges on samples .....	.30
26	Eimer & Amend	Cylinders, etc	53.60
30	Jos. F. Corridon	Salary for April	49.50
May 2	Frederic Read	Chemicals	50.12
2	John Schultzback	Electrolytic apparatus	32.00
3	Emil Greiner	Electrolytic apparatus and flasks	10.70
6	Eimer & Amend	Flasks	22.40
6	Ernest Betz	Making oven, etc	25.50
6	The United States Electric Lighting Co.	Electric light for April	4.67
6	Washington Gaslight Co.	Gas for April	31.00
13	Adams Express Co	Transportation in March	8.10
13	do	do	10.10
13	Royce & Marean	Tape .....	.55
17	John A. Power & Co	Plumbing, etc., clearing sewer	6.19
18	Z. D. Gilman	Flasks, chemicals, etc	257.86
22	John M. Williams	Hauling, March 15 .....	.25
25	Moseley & Stoddard Manufacturing Co	Milk tester, etc	34.00
25	Ernest Betz	Making water oven	11.10
25	Adams Express Co	Transportation in April	9.40
31	Jas. F. Corridon <i>et al.</i>	Salaries for May	51.00
June 2	Eimer & Amend	Tubes, etc	13.40
3	Atchison, Topeka and Santa Fe R. R. Co.	Transportation, freight, March, 1893 .....	.78
6	Eimer & Amend	Flasks	16.10
9	Washington Gaslight Co.	Gas for May	22.25
12	United States Express Co	Express transportation, February .....	.25
12	The United States Electric Lighting Co.	Electric current, May	3.30
19	George W. Knox Express	Freight and drayage, May 22 .....	.70

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
June 20	United States Express Co.....	Transportation, May.....	\$1.40
27	Joseph E. Bishop.....	Printing photographs.....	.96
	Total, laboratory.....		865.14
	Total, rent.....		225.00
	Total, adulteration of food.....		3,381.04
	Total fourth quarter.....		4,471.18
	Supplemental.		
July 5	Washington Gaslight Co.....	Gas for June.....	23.50
	Transportation order.....		6.48
	Rent of laboratory.....		75.00
	Adulteration of food.....		66.99
	Total.....		171.97

RECAPITULATION.

First quarter.....	\$4,598.80
Second quarter.....	2,744.58
Third quarter.....	4,771.91
Fourth quarter.....	4,471.18
Supplemental.....	171.97
Total.....	16,758.44

ADULTERATION OF FOOD (LABORATORY).

Date.	Name.	Nature of payment.	Total.
1892.			
July 13	E. M. Thompson.....	Honey.....	\$6.75
31	T. C. Trescot <i>et al</i>	Salaries for July.....	390.90
Aug. 12	V. P. Hinckley.....	Honey and cans.....	10.50
16	Peoples' Dispatch Co.....	Freight and drayage.....	2.35
24	Harvey W. Wiley.....	Purchases for use in experiments.....	22.27
24	H. W. Wiley.....	do.....	68.87
27	do.....	Expenses, trip to Rochester, N. Y., Aug. 13.....	39.98
31	T. C. Trescot <i>et al</i>	Salaries for August.....	283.26
Sept. 14	Hudson C. Tanner.....	Stenographic reports.....	75.00
15	Thos. Somerville & Sons.....	Clamps, etc.....	32.67
15	Z. D. Gilman.....	Perforated plates, etc.....	412.90
30	A. J. Wedderburn <i>et al</i>	Salaries for September.....	221.73
	Total first quarter.....		1,567.18
Oct. 10	Z. D. Gilman.....	Flasks, etc.....	45.50
31	A. J. Wedderburn <i>et al</i>	Salaries for October.....	270.80
Nov. 8	Z. D. Gilman.....	Chemicals, etc.....	12.20
30	A. J. Wedderburn <i>et al</i>	Salaries for November.....	379.40
Dec. 12	do.....	Expenses for November and December.....	61.84
12	C. D. Gilman.....	Chemicals, etc.....	92.60
23	A. J. Wedderburn <i>et al</i>	Expenses Nov. 27 to Dec. 1.....	12.45
31	Walter Maxwell <i>et al</i>	Salaries for December.....	558.02
	Total second quarter.....		1,432.81
1893.			
Jan. 14	Z. D. Gilman.....	Ether, tubes, etc.....	157.58
16	Melvin Bogart.....	Labor, Dec. 22 to 31.....	19.57
31	H. W. Wiley.....	Samples of food.....	23.30
31	Walter Maxwell <i>et al</i>	Salaries for January.....	697.00
Feb. 11	Z. D. Gilman.....	Flasks, etc.....	152.05
15	Adams Express Co.....	Transportation, December.....	2.90
28	Walter Maxwell <i>et al</i>	Salaries for February.....	738.31
Mar. 8	Z. D. Gilman.....	Filter paper, etc.....	149.50
15	do.....	do.....	134.65
15	do.....	Jars, flasks, etc.....	180.24
31	Walter Maxwell.....	Salary for March.....	155.00
31	A. J. Wedderburn.....	do.....	200.00
31	T. C. Trescot <i>et al</i>	Salaries for March.....	795.38
	Total third quarter.....		3,405.48

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

ADULTERATION OF FOOD (LABORATORY)—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 13	Z. D. Gilman	Tubing, etc	\$104.85
29	Edward N. Cole	Pepsin	2.00
30	Walter Maxwell	Salary for April	148.30
30	Alex. J. Wedderburn	do	200.00
30	T. C. Trescot <i>et al</i>	Salaries for April	729.35
May 11	K. P. McElroy	Samples for investigation	15.07
15	M. R. Smith <i>et al</i>	Labor May 1 to 4	12.00
16	W. W. Kimball & Co	Pepsin	2.40
16	R. H. Thomas	do	2.50
18	The Willis Drug Co., limited	do .....	.40
18	The Standard Drug Co	do	2.50
18	T. L. Corwin	Samples of butter	5.00
25	Morrison Plummer & Co	Pepsin, etc	2.85
26	Edward N. Cole	Pepsin	2.00
31	H. W. Wiley	Traveling expenses May 5-9	22.20
31	T. C. Trescot <i>et al</i>	Salaries for May	841.94
June 2	Clarence D. Syphord	Copies Pharmacy Laws	2.50
12	Z. D. Gilman	Chemicals, etc	42.05
12	Elmer & Amend	Bottles	6.00
13	Thomas Somerville & Sons	Brass tubes and fixtures	19.76
20	United States Express Co	Transportation, May .....	.50
21	O. E. Hall	Black pepsin	2.10
23	Ernest Betz	Making condenser, etc	7.57
30	T. C. Trescot <i>et al</i>	Salaries for June	1,207.20
	Total fourth quarter		3,381.04
	<i>Supplemental.</i>		
July 3	Moseley & Stoddard Manufacturing Co.	Milk tester	16.00
20	Z. D. Gilman	Chemicals, etc	44.60
21	E. H. Stratford	Photos of cassava plant	6.00
Oct. 11	Hannibal and St. Joseph R.R. Co	Transportation of books, March .....	.39
	Total		66.99

RECAPITULATION.

First quarter	\$1,567.18
Second quarter	1,432.81
Third quarter	3,405.48
Fourth quarter	3,381.04
Supplemental	66.99
Total	9,853.50

RENT—LABORATORY BUILDINGS.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 3	J. Harrison Johnson	Rent of laboratory, July	\$75.00
Sept. 5	do	Rent of laboratory, August	75.00
	Total first quarter		150.00
Oct. 5	J. Harrison Johnson	Rent of laboratory, September	75.00
Nov. 3	do	Rent of laboratory, October	75.00
Dec. 6	do	Rent of laboratory, November	75.00
	Total second quarter		225.00
1893.			
Jan. 9	J. Harrison Johnson	Rent of laboratory, December	75.00
Feb. 3	do	Rent of laboratory, January	75.00
Mar. 7	do	Rent of laboratory, February	75.00
	Total third quarter		225.00
Apr. 8	J. Harrison Johnson	Rent of laboratory, March	75.00
May 6	do	Rent of laboratory, April	75.00
June 6	do	Rent of laboratory, May	75.00
	Total fourth quarter		225.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

RENT—LABORATORY BUILDINGS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.	<i>Supplemental.</i>		
July 6	J. Harrison Johnson.....	Rent of laboratory, June	\$75.00

RECAPITULATION.

First quarter	\$150.00
Second quarter	225.00
Third quarter	225.00
Fourth quarter	225.00
Supplemental	75.00
Total	900.00

FIBER INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1892.			
July 31	Chas. R. Dodge <i>et al.</i>	Salaries for July	\$339.39
Aug. 6	Andrew Henderson	Salary for July	75.80
20	Thos. J. McLain	Hemp and green leaves	12.00
31	Chas. R. Dodge <i>et al.</i>	Salaries in August	313.30
Sept. 24	Andrew Henderson	do	75.80
30	United States Express Co.	Transportation in August	5.00
30	Charles R. Dodge <i>et al.</i>	Salaries for September	303.40
	Total first quarter		1,124.69
Oct. 3	Geo. W. Knox <i>et al.</i>	Freight in July	4.60
6	Talma Drew	Traveling expenses to New Orleans and return	56.75
10	Andrew Henderson	Salary for September	73.40
27	Richmond and Danville R. R.	Transportation, Drew <i>et al.</i> , September	55.00
28	Gus A. Breaux	Rannie for machine trials at New Orleans	500.00
31	Charles R. Dodge <i>et al.</i>	Salaries for October	313.30
Nov. 7	Andrew Henderson	Salary for October	75.80
12	S. M. Tracy	Expenses in September	15.90
30	Chas. R. Dodge <i>et al.</i>	Salaries for November	303.40
Dec. 3	N. H. Sword	Spinning wheel	15.00
3	E. N. Sword	Flax, samples, machinery, etc.	30.00
6	J. B. Chamberlain & Co.	Paper	3.90
6	Andrew Henderson	Salary for November	73.40
12	Adams Express Co.	Transportation, October	3.30
28	Louisville and Nashville R. R. Co.	Transportation, Dodge <i>et al.</i>	55.00
31	Chas. R. Dodge <i>et al.</i>	Salaries for December	313.30
	Total second quarter		1,892.05
1893.			
Jan. 6	Andrew Henderson	Salary for December	75.80
28	United States Express Co.	Transportation in December	1.25
31	Chas. R. Dodge <i>et al.</i>	Salaries for January	258.30
Feb. 7	Andrew Henderson	Salary for January	77.50
11	Geo. W. Knox Express	Freight charges	3.69
15	Adams Express Co.	Transportation, December	16.10
24	Chas. Richards Dodge	Expenses in December	27.55
28	Chas. R. Dodge <i>et al.</i>	Salaries for February	233.40
Mar. 11	W. J. Longbridge	Hemp seed, express charges, etc.	85.94
21	Adams Express Co.	Transportation, January	3.65
29	Geo. W. Knox Express	Freight and drayage, February	1.70
31	Chas. R. Dodge <i>et al.</i>	Salaries for March	258.30
	Total third quarter		1,043.18
Apr. 30	Chas. R. Dodge <i>et al.</i>	Salaries for April	247.20
May 31	Chas. R. Dodge	Salary for May	170.40
June 20	Chas. R. Dodge	Salary for June	164.80
	Total fourth quarter		582.40

RECAPITULATION.

First quarter	\$1,124.69
Second quarter	1,892.05
Third quarter	1,043.18
Fourth quarter	582.40
Total	4,642.32

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

REPORT ON FORESTRY.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 3	Filibert Roth	Salary for July	\$50.00
4	B. E. Fernow	Traveling expenses	13.50
10	Wyckoff, Seamans & Benedict	Repairs to typewriter	35.00
13	J. B. Johnson	Timber tests	960.00
31	N. H. Egleston	Salary for August	69.57
Sept. 3	B. E. Fernow	Traveling expenses from Washington to Rochester	34.36
5	Filibert Roth	Salary for August	50.00
12	John C. Parker	Photo blanks	8.00
13	J. B. Johnson	Tests on timber	1,193.00
30	Charles Mohr	Salary July 1 to Sept. 30	375.00
30	Geo. B. Sudworth	Expenses in August	17.98
30	Wilhelm Goelers Wittwe	Marking hammers	10.10
30	N. H. Egleston	Salary for September	130.40
Total first quarter			2,946.91
Oct. 4	Filibert Roth	Salary for September	50.00
6	J. B. Johnson	Timber tests, September	644.00
12	Buxton & Skinner	Blanks for timber tests	10.00
18	Filibert Roth	Traveling expenses, September	206.10
19	L. D. Post & Co	Paper Mill Wood Pulp News	3.00
25	J. B. Chamberlain & Co	Photographic supplies	3.45
31	N. H. Egleston	Salary for October	134.80
Nov. 1	Filibert Roth	do	50.00
8	Adams Express Co	Transportation in September	1.10
9	J. B. Johnson	Timber tests, October	365.00
10	B. E. Fernow	Traveling expenses, Oct	18.95
11	Wm. Kent	Report on timber tests	200.00
12	Geo. B. Sudworth	Traveling expenses, Oct. 13	1.11
30	Charles Mohr	Salary October and November	248.60
30	N. H. Egleston	Salary for November	130.40
Dec. 3	Filibert Roth	do	50.00
5	S. H. Smith	Subscription Wood Worker April, 1892, to April, 1893	1.00
5	W. S. Williams	Timber tests Nov. 20 to 30	50.00
5	J. B. Johnson	Timber tests	642.00
10	Charles Mohr	Test material, 48 trees	268.80
23	D. W. Langdon	Seeds, Pinus palustris	10.00
28	W. C. Hampton	Black walnut seeds	15.00
30	Wyckoff, Seamans & Benedict	Remodeling typewriter	35.00
30	Adams Express Co	Transportation, November	7.45
31	N. H. Egleston	Salary for December	134.80
Total second quarter			3,280.56
1893.			
Jan. 6	W. S. Williams	Salary, December (timber tests)	150.00
9	Charles Mohr	Timber test material	352.50
9	J. B. Johnson	Timber tests	768.00
10	Filibert Roth	Salary for December	50.00
10	C. S. Harrison	Pine and spruce seeds	140.00
17	W. S. Williams	Services, Jan. 1 to 11	53.23
19	B. E. Fernow	Traveling expenses, Jan. 9 to 14	87.85
21	Buxton & Skinner	Envelopes	3.25
24	Moses Gornberg	Report on resinous constituents of long pine, etc.	330.00
24	A. J. Johnson	Five pounds sugar pine seed	10.00
25	Shea, Smith & Co	Blanks for timber tests	12.50
31	Jno. Birkinbine	Report on manufacture charcoal	200.00
31	N. H. Egleston	Salary for January	137.80
Feb. 3	Charles Mohr	Salary for December and January	255.60
4	J. B. Johnson	Timber tests	702.00
7	Filibert Roth	Salary for January	50.00
9	E. R. Fish	Copying, etc.	18.00
9	Karl A. Widen	do	32.00
11	Photo-Engraving Co	Engravings	19.50
11	Geo. W. Knox Express	Freight and drayage, December	3.43
15	Adams Express Co	Transportation, December	2.90
20	Photo-Engraving Co	Plates	30.68
28	Thomas Mechan & Co	Tree seeds	229.05
28	N. H. Egleston	Salary for February	124.40
Mar. 3	Filibert Roth	do	50.00
9	Photo-Engraving Co	Engraving plates, etc	5.00
16	Z. D. Gilman	Alcohol and turpentine	12.32
20	People's Dispatch Co	Transportation, seeds	1.12

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

REPORT ON FORESTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 21	Adams Express Co	Transportation, January	\$4.60
31	N. H. Egleston	Salary for March	137.90
	Total third quarter		3,973.53
Apr. 12	Filibert Roth	Salary for March	50.00
21	The Standard Engraving Co	Engraving plate	9.00
24	J. B. Johnson	Transportation of timber test material	122.99
30	N. H. Egleston <i>et al</i>	Salaries for April	181.90
May 2	Filibert Roth	Salary for April	50.00
13	Adams Express Co	Transportation in March	4.00
17	United States Express Co	Transportation in April .....	.35
29	American Book Co	One hundred copies Arbor day leaves	5.00
31	N. H. Egleston <i>et al</i>	Salaries for May	186.20
June 5	Filibert Roth	Salary for May	50.00
10	Edward H. Waples	Weighing measuring test materials	17.50
10	James G. Brickfield	do	22.00
14	Charles Mohr	Salary Feb. 1 to May 31	497.20
20	United States Express Co	Transportation, May .....	.25
21	The Standard Engraving Co	Engraving plates	100.00
30	Karl N. Widen	Drawings for timber test bulletin	10.00
30	Austin Carey	Transmitting data on trees	28.50
30	Charles Mohr	Salary for June	123.60
30	N. H. Egleston <i>et al</i>	Salaries for June	181.90
	Total fourth quarter		1,640.39
	Supplemental.		
July 18	Filibert Roth	Salary for June	50.00
Sept. 19	J. B. Johnson	Timber tests	36.00
Oct. 21	W. W. Johnson	Tree seed	6.00
	Total		92.00

RECAPITULATION.

First quarter	\$2,946.91
Second quarter	3,280.56
Third quarter	3,973.53
Fourth quarter	1,640.39
Supplemental	92.00
Total	11,933.39

ILLUSTRATIONS AND ENGRAVINGS.

Date.	Name.	Nature of payment.	Total.
1892.			
July 25	John C. Parker	Numbering machine, etc	\$19.50
29	W. B. Moses & Sons	Engraving table	38.00
Aug. 10	W. H. Veerhoff	Brushes, etc	1.70
11	Edward P. Mertz	Peterman's food .....	.60
27	Chas. Fischer	Spring forceps	16.50
Sept. 15	John C. Parker	Stationery	52.25
16	V. Grottenthaler Co	Inserting plugs in cut	2.00
	Total first quarter		130.55
Nov. 2	Henry Hinke	Objectives	115.00
3	Fred A. Schmidt	Paints, etc	10.30
8	Adams Express Co	Transportation in September	1.35
14	John C. Parker	Typewriter supplies, etc	95.21
16	Franklin Educational Co	Repairing camera	1.25
30	Henry Hinke	Microscope	65.00
30	United States Express Co	Transportation, October	1.00
Dec. 6	E. Burchard	Drawings of grasses	15.00
12	Adams Express Co	Transportation, October	3.95
15	United States Express Co	Transportation, November	1.10
30	Adams Express Co	Transportation, October	2.05
31	C. E. Casassa	Fruit	3.64
	Total second quarter		314.85

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

ILLUSTRATIONS AND ENGRAVINGS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 14	Fred Reh	Boxes	\$25.00
17	John C. Parker	Brushes, paints, etc	97.55
17	Geo. Marx	Traveling expenses to New York and Philadelphia Jan. 4-9	35.55
28	United States Express Co	Transportation in December	.90
Feb. 1	V. Grottenthaler Co	Repairing wood engraved blocks	5.00
13	Wm. E. Lewis	Stationery, etc	164.68
15	Adams Express Co.	Transportation, December	1.85
18	V. Grottenthaler Co	Engraving plates	3.00
18	Hanson Brothers	Electrotype cuts	4.50
24	Chas. Fischer	Repairing instruments, etc.	8.00
25	George Maier	Portfolios, etc	3.75
Mar. 8	John C. Parker	Stationery	118.00
9	W. H. Veerhoff	Crayon paper	5.00
9	W. E. Lewis	Artists' materials	26.25
9	United States Express Co.	Transportation, January	1.30
15	John Mooney	Woodcuts	60.35
17	United States Express Co.	Transportation, February	2.75
21	Adams Express Co.	Transportation, January	4.69
30	Hanson Brothers	Electrotyping cuts	1.40
30	Fred A. Schmidt	Protractor, compass, etc	31.95
	Total third quarter		602.03
Apr. 3	Eimer & Amend	Objectives, etc	479.14
4	R. Sharrock	Photographing on wood, etc	4.80
10	Fred Reh	Boxes	18.00
13	United States Express Co.	Transportation, March	3.50
14	Adams Express Co.	Transportation, February	2.50
21	Gibson Bros.	Cuts	23.90
May 13	Adams Express Co.	Transportation in March	2.30
16	R. Sharrock	Photographing on wood	4.55
17	United States Express Co.	Transportation in April	1.55
29	W. H. Veerhoff	Proofs wood engravings, etc	25.30
June 12	Barber & Ross	Hardware	2.35
20	United States Express Co.	Transportation, May	1.20
22	John C. Parker	Tracing paper, etc	14.60
22	Fred A. Schmidt	Artists' supplies	50.51
27	Charles Fischer	Case for drawing instruments	4.40
	Total fourth quarter		638.60
	Supplemental.		
July 24	Adams Express Co.	Transportation in June	4.40
27	United States Express Co.	do	7.35
31	John Mooney	Proof prints, etc	208.95
	Total		220.70

RECAPITULATION.

First quarter	\$130.55
Second quarter	314.85
Third quarter	602.03
Fourth quarter	638.60
Supplemental	220.70
Total	1 906.73

PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS.

Date.	Name.	Nature of payment.	Total.
1892.			
July 15	E. C. Shock <i>et al</i>	Labor, July 1 to 15	\$210.00
15	C. G. Nye <i>et al</i>	do	671.25
21	Christopher Hayes	Packing moss	20.00
21	L. Arnold	Making paper bags	24.93
29	R. J. Whittleton	Expenses in July	104.97
29	C. G. Nye	Making paper bags	30.00
29	J. F. Daniels	Making cotton bags	15.00
31	E. C. Shock <i>et al</i>	Labor, July 16 to 31	198.75
31	George I. Hall <i>et al</i>	do	696.75
31	R. J. Whittleton <i>et al</i>	Salaries for July	392.10
31	H. A. Howes <i>et al</i>	Labor	210.70

Expenditures Department of Agriculture for fiscal year ending June 30, 1893.—Cont'd.

PURCHASE, ETC., OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 2	John C. Parker.....	Manila paper.....	\$576.00
5	L. Arnold.....	Making paper bags.....	26.31
6	Washington Gaslight Co.....	Gas for July.....	14.25
12	J. F. Daniels.....	Making cotton bags.....	30.00
15	Sadie Ramsay <i>et al.</i>	Labor, Aug. 1 to 15, inclusive.....	226.50
15	M. Addie Krepps <i>et al.</i>	do.....	684.00
17	Lou H. Booth.....	Making paper bags.....	26.34
19	Lora V. Thorn.....	Making cotton bags.....	30.00
24	Lou H. Booth.....	Making paper bags.....	12.75
25	L. Arnold.....	do.....	35.03
26	J. F. Daniels.....	Making cotton bags.....	7.50
27	Robert Leitch & Sons.....	Rubber hose, etc.....	12.40
30	C. G. Nye.....	Making paper bags in August.....	43.53
31	R. J. Whittleton <i>et al.</i>	Salaries in August.....	392.10
31	H. A. Howes <i>et al.</i>	do.....	222.30
31	A. J. Austin.....	Making paper bags.....	42.03
31	Fannie Pierce <i>et al.</i>	Labor, Aug. 16-31, inclusive.....	204.00
31	J. E. Dillinger <i>et al.</i>	do.....	781.50
Sept. 3	Lou H. Booth.....	Making paper bags.....	30.07
5	Maggie Taylor.....	Making cotton bags.....	19.59
5	Washington Gaslight Co.....	Gas for August.....	15.25
9	Z. D. Gilman.....	Gum arabic, etc.....	69.70
10	L. Arnold.....	Making paper bags.....	19.12
13	N. M. Thissell.....	Labor, Aug. 1 to 15.....	1.30
15	Woodward & Lothrop.....	Cotton, etc.....	72.80
15	Pennsylvania R. R. Co.....	Transportation, Whittleton, August.....	20.00
15	M. J. Rush <i>et al.</i>	Labor, Sept. 1 to 15.....	150.75
15	George I. Hall <i>et al.</i>	do.....	684.00
19	Easton & Rupp.....	Twine.....	64.63
23	J. F. Daniels.....	Making paper bags.....	39.37
27	J. & M. Strasburger.....	Shoe cases.....	6.00
30	United States Express Co.....	Transportation in August.....	3.50
30	Z. D. Gilman.....	Gum arabic.....	119.35
30	R. J. Whittleton.....	Traveling expenses in August.....	41.09
30	do.....	Traveling expenses in September.....	56.93
30	M. J. Rush <i>et al.</i>	Labor, Sept. 16 to 30.....	158.25
30	George I. Hall <i>et al.</i>	do.....	720.00
30	do.....	Labor, Sept. 2.....	1.50
30	R. J. Whittleton <i>et al.</i>	Salaries for September.....	435.80
30	H. A. Howes <i>et al.</i>	do.....	215.40
	Total seeds.....		8,885.59
	Total printing, labor, etc.....		1,378.70
	Total first quarter.....		10,264.29
Oct. 1	A. J. Austin.....	Making paper bags.....	35.21
3	J. M. Thornburn & Co.....	Flower seeds.....	155.25
3	do.....	Vegetable seeds.....	1,965.40
4	Wm. H. Arueth.....	Tinware.....	7.95
4	C. G. Nye.....	Making paper bags.....	40.18
7	Washington Gaslight Co.....	Gas for September.....	16.25
7	L. Arnold.....	Making paper bags.....	21.15
12	F. P. May & Co.....	Barrow.....	50.00
12	Chicago, Milwaukee and St. Paul R. R. Co.....	Transportation of Whittleton, July.....	9.70
13	Tice & Lynch.....	Bulbs.....	91.46
13	Polman Mooy.....	do.....	1,398.90
13	Lou H. Booth.....	Making paper bags.....	10.03
14	L. H. Hopkins.....	Shoe knives.....	6.25
15	A. M. Moore <i>et al.</i>	Labor, Oct. 1 to 15.....	302.25
15	Louis Beebe <i>et al.</i>	do.....	717.00
19	John C. Parker.....	Tags and seed pockets.....	322.52
19	B. E. Murray.....	Shoe boxes.....	5.25
19	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.....	Transportation, Whittleton, July.....	11.05
25	Geo. W. Knox Express.....	Freight transportation, September.....	70.85
25	Gustav Rienecker.....	Sniflax.....	7.50
25	C. Ponnet.....	Violets.....	37.50
26	Wm. H. Arueth.....	Brass wire rods.....	3.00
26	Lake Shore and Michigan Southern Rwy. Co.....	Transportation, Whittleton, July.....	19.00
31	C. G. Nye.....	Making paper bags.....	39.12
31	C. G. Miller <i>et al.</i>	Labor, Oct. 16 to 31.....	321.00
31	Louis Beebe <i>et al.</i>	do.....	705.75
31	L. Arnold.....	Making paper bags.....	27.46
31	R. J. Whittleton <i>et al.</i>	Salaries for October.....	452.70
31	H. A. Howes <i>et al.</i>	do.....	226.80
Nov. 7	Washington Gaslight Co.....	Gas for October.....	15.75
7	Alex. Schmid.....	Paper boxes.....	70.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

PURCHASE, ETC., OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Nov. 8	Geo. Ryneal, jr.	Brushes	\$30.60
8	J. F. Daniels	Making paper bags	31.87
10	Peter Anderson & Co.	Vegetable seeds	5,171.00
10	do	Clover and grass seeds	2,694.60
11	Robt. Buist, jr.	Vegetable seeds	3,296.50
11	Northrup, Braslau & Goodwin Co.	Pease	350.00
11	do	Vegetable seeds	1,160.00
11	W. B. Moses & Sons	Linoleum	16.00
12	L. Arnold	Making paper bags	50.03
15	J. T. Wattington <i>et al.</i>	Labor, Nov. 1 to 15	687.00
15	A. M. Moore <i>et al.</i>	do	350.25
16	Comstock, Ferre & Co.	Vegetable seeds and bags	356.62
16	J. L. Carpenter	Labor, Oct. 16 to 31	7.50
17	Phil. Stimmel	Vegetable seeds	1,531.25
17	Weeber & Don	do	1,806.00
17	V. A. Bradshaw	Labor, Nov. 1 to 15	15.75
18	John C. Parker	Seed pockets	1,054.32
18	J. F. Daniels	Making paper bags	8.06
23	Jerome B. Rice & Co.	Tomato seed	200.00
23	do	Vegetable seed	1,875.00
23	L. S. Pollock <i>et al.</i>	Labor, Nov. 16 to 23	265.50
23	Louis Beebe <i>et al.</i>	do	361.50
23	B. M. Dodson <i>et al.</i>	do	363.00
26	Wm. Ballantyne's Sons	Rattan baskets	10.00
26	R. J. Whittleton	Traveling expenses, October	57.51
29	do	Traveling expenses, November	36.73
30	W. H. Houghton Manufacturing Co.	Chairs	70.00
30	C. R. Cooke <i>et al.</i>	Labor, Nov. 24 to 30, inclusive	343.50
30	Mollie R. Smith	Labor, Nov. 16 to 30, inclusive	19.50
30	Bertha E. Ellis	do	19.50
30	A. M. Moore <i>et al.</i>	Labor, Nov. 24 to 30, inclusive	313.50
30	Louis Beebe <i>et al.</i>	do	338.25
30	R. J. Whittleton <i>et al.</i>	Salaries for November	469.60
30	H. A. Howes <i>et al.</i>	do	212.40
Dec. 1	Grace Parker	Six days' labor in October	9.00
1	J. T. Wattington	Four days' labor in November	6.00
5	T. S. Hubbard Co.	Grape vines	337.50
5	Washington Gaslight Co.	Gas for November	17.50
5	J. M. Thorburn & Co.	Flower seed and pease	465.00
5	do	Vegetable and flower seed	1,412.15
6	L. Arnold	Making paper bags	40.87
8	Geo. W. Knox Express	Freight and drayage, September and October	324.93
8	do	Freight on bulbs	24.42
9	P. J. Berckmans	Roses	50.00
12	Adams Express Co.	Transportation, October	1.95
14	E. M. Rumph	Passion-flower seed	100.00
14	Sioux City Nursery and Seed Co.	Vegetable seeds	1,075.00
14	John A. Salzer Seed Co.	Vegetable seeds and bags	1,091.90
14	Plant Seed Co.	Vegetable seeds	1,310.00
14	Jerome B. Rice & Co.	do	4,387.50
15	Jennie Hicks <i>et al.</i>	Labor, Dec. 1 to 15	709.50
15	Louis Beebe <i>et al.</i>	do	691.50
15	Grace Neale <i>et al.</i>	do	689.25
15	J. L. Carpenter <i>et al.</i>	do	675.00
15	R. C. Wilson <i>et al.</i>	do	113.25
16	Pennsylvania R. R. Co.	Transportation, Whittleton, October	17.00
17	Annie Hansbrough	Labor, Dec. 1 to 15	16.50
20	Jas. Carter, Dunnett & Beale	Flower seeds and bags	686.60
20	D. Landreth & Sons	Vegetable seeds	2,208.00
21	Geo. W. Knox Express	Freight and drayage on seeds	231.30
21	R. J. Whittleton	Expenses in December	23.95
22	E. Morrison Paper Co.	Paper bags	5.00
23	J. F. Daniels	Making paper bags	40.06
24	Peter Henderson & Co.	Lily bulbs	100.00
24	L. Arnold	Making paper bags	26.38
24	E. C. Shock <i>et al.</i>	Labor, Dec. 16 to 24	330.75
24	C. F. Mason <i>et al.</i>	do	447.00
24	Louis Beebe <i>et al.</i>	do	448.50
24	J. W. Hanna <i>et al.</i>	do	452.25
24	M. A. Burdette <i>et al.</i>	do	458.25
28	Easton & Rupp	Twine	85.70
29	Weeber & Don	Onion seeds	500.00
29	Phil. Stimmel	Vegetable seeds	237.50
29	do	do	500.00
29	do	do	1,125.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

PURCHASE, ETC., OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 30	Emerson Brothers	Vegetable seeds	\$1,505.00
30	People's Dispatch Co.	Freight charges, Sept. 23	38.52
30	Adams Express Co.	Transportation, November	3.75
31	L. & J. Smart	Tobacco seed	112.00
31	Comstock, Ferre & Co.	Vegetable, tobacco, corn, and bags	322.22
31	Sioux City Nursery and Seed Co.	Vegetable seeds	296.25
31	do	Pease	600.00
31	Lillian Sherman <i>et al.</i>	Labor, Dec. 26 to 31, inclusive	252.75
31	Louis Beebe <i>et al.</i>	do	350.25
31	M. A. Burdett <i>et al.</i>	do	247.25
31	K. B. Hackney <i>et al.</i>	do	337.50
31	Zita McNERhany <i>et al.</i>	do	335.25
31	R. J. Whittleton <i>et al.</i>	Salaries for December	502.70
31	H. A. Howes <i>et al.</i>	do	181.80
	Total seeds		57,392.37
	Total printing, etc		1,418.72
	Total second quarter		58,811.09
1893.			
Jan. 7	Washington Gaslight Co.	Gas for December	22.25
7	L. Arnold	Making paper bags	23.37
9	J. R. Wright	Labor, Dec. 25 to 31	9.00
10	Chesapeake & Potomac Telephone Co.	Telephone rent, Dec. 14 to 31	2.77
10	John C Parker	Seed pockets and manila paper	1,738.65
11	The Chicago, Rock Island and Pacific R. R. Co.	Transportation, Whittleton, October	12.75
13	L. A. Solomon & Bro.	Dextrine	198.30
14	Northrup, Braslau & Goodwin Co.	Onion and ruta-baga seeds	161.00
14	do	Pease and bags	350.36
14	do	do	350.54
14	do	Onion seed	450.00
14	do	Beans	750.00
14	J. B. Hammond	Wooden tags	50.00
14	M. A. Morrisette	Labor, Jan. 1 to 14, 7 days	10.50
14	L. M. Taylor <i>et al.</i>	Labor, Jan. 1 to 15	452.25
14	E. W. Jenkins <i>et al.</i>	do	605.25
14	Louis Beebe <i>et al.</i>	do	616.50
14	B. M. Dodson <i>et al.</i>	do	619.50
14	M. L. Beall <i>et al.</i>	do	623.25
14	Maggie Ott <i>et al.</i>	do	647.25
16	Maury Ward	Cotton seed	100.00
16	Annie Campbell	Labor, Jan. 2 to 16	12.00
16	H. M. Myers	Labor, Jan. 2 to 16, 5 days	7.50
19	Ernest Betz	Paste cups, tin plates and cans	28.00
23	W. A. Cook	Cotton seed	200.00
24	F. M. McDowell	Grape cuttings	137.60
24	Joseph J. Palmer	Tobacco seed	37.50
24	R. L. Ragland	do	150.80
24	Johnso Robbins & Co.	Corn and bags	185.00
24	do	Vegetable seeds and bags	1,155.30
24	Emerson Bros.	Pease	300.00
24	do	Vegetable seeds	365.00
24	do	do	512.50
24	do	do	545.00
24	Geo. W. Knox Express	Freight, etc., on grape vines and bulbs	6.25
24	do	Freight and drayage	730.19
25	Lake Shore and Michigan Southern Rwy. Co.	Transportation, Whittleton, September	19.00
25	Robert Buist, jr.	Vegetable seeds	720.00
25	J. M. Thorburn & Co.	Sweet pease	25.00
25	do	Verbena and zinnia seeds	60.00
25	do	Vegetable and flower seeds	165.00
25	do	Vegetable seeds	242.50
25	do	Flower seeds	517.00
25	do	Flower and vegetable seeds	655.00
25	do	do	697.75
26	Robert Gair	Seed pockets	1,075.64
27	Pomeroy & Pelton	Tobacco seeds	316.00
27	R. F. Kolb	Watermelon and cotton seed	600.00
27	Phil. Stimmel	Vegetable seeds	382.50
27	do	do	480.00
27	do	Beans	536.50
27	do	Beans, peas, and bags	593.50
27	do	Vegetable seeds	680.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

PURCHASE, ETC., OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 28	John McDermott & Bro	Wagon	\$180.00
28	United States Express Co	Transportation in December	1.25
28	L. Arno, d	Making paper bags	16.50
31	Louis Beebe <i>et al</i>	Labor, Jan. 16 to 31	743.25
31	Marion Suit <i>et al</i>	do	555.75
31	E. E. Bray <i>et al</i>	do	762.75
31	Grace Neale <i>et al</i>	do	765.75
31	G. H. Diggs <i>et al</i>	do	768.00
31	B. M. Jeffries <i>et al</i>	do	768.75
31	R. J. Whittleton <i>et al</i>	Salaries for January	524.18
31	H. A. Howes <i>et al</i>	do	186.00
Feb. 1	J. F. Daniels	Making paper bags	40.50
1	F. M. McDowell	Grape cuttings	82.40
7	Washington Gaslight Co	Gas for January	26.75
8	Z. D. Gilman	Gum arabic	226.10
8	Geo. Ryneal, jr	Brushes	7.00
9	Comstock, Ferre & Co	Melon seed and bags	50.60
9	do	Tobacco seed and bag	85.20
9	Northrup, Braslau and Goodwin Co.	Corn	75.00
9	do	Vegetable seeds	186.98
9	do	Sweet corn and bags	201.02
9	John A. Salzer Seed Co	Vegetable seeds and corn	339.58
9	Plant Seed Co	do	358.00
9	do	do	390.00
9	D. Landreth & Sons	do	1,120.00
9	Sioux City Nursery and Seed Co.	Sweet corn	200.00
9	do	Beans	387.50
9	do	Vegetable seeds	462.50
9	L. Arnold	Making paper bags	16.25
11	Robert Gair	Manila seed bags	557.13
11	Geo. W. Knox Express	Freight and drayage, December and January.	696.65
11	John C. Parker	Seed pockets and tags	1,422.04
14	Chicago, Milwaukee and St. Paul Rwy Co.	Transportation, Whittleton, November	11.60
14	Johnson, Robbins & Co	Vegetable seeds and bags	111.40
14	Currie Bros	do	480.35
14	James Carter, Dunnett & Beale	Flower seeds and bags	411.20
15	Wm. Ballantyne & Sons	Baskets	10.00
15	Adams Express Co	Transportation, December	7.80
15	E. C. Shock <i>et al</i>	Labor, Feb. 1 to 15	561.75
15	Jeannie McAtee <i>et al</i>	do	689.25
15	Lou H. Booth <i>et al</i>	do	722.25
15	Sue F. Gordon <i>et al</i>	do	696.00
15	Lewis Beebe <i>et al</i>	do	726.00
16	F. M. McDowell	Grape cuttings	72.00
17	F. D. Wimberly	Cotton seed	76.50
17	M. A. Armstrong	Labor, Feb. 16	1.50
18	Jerome B. Rice & Co	Beans	652.00
18	do	Vegetable seeds	715.00
18	do	do	1,915.00
18	Ida C. Wells	Labor, Feb. 16 and 17	3.00
20	Emerson Bros	Sweet corn	125.00
20	do	Vegetable seeds	133.75
20	do	Sweet corn	200.00
20	do	Vegetable seeds	937.50
21	Phil. Stimmel	do	101.00
21	do	Sweet corn	300.00
21	do	Vegetable seeds	316.00
21	Plant Seed Co	Corn	150.00
21	do	do	150.00
21	do	Vegetable seeds	294.50
23	B. W. Hawkins	Cotton seed	75.00
23	F. M. McDowell	Grape cuttings	160.65
23	Peter Henderson & Co	Corn and bags	57.00
23	do	Corn, onion seed, and bags	160.50
23	do	Vegetable seeds and corn	307.15
23	do	Vegetable seeds and bags	1,795.70
24	J. M. Thorburn & Co	Moonflower seed	7.00
24	do	Chrysanthemum seed	33.00
28	A. L. Reilly <i>et al</i>	Labor, Feb. 16 to 28	484.50
28	Florence Carr <i>et al</i>	do	571.50
28	J. T. Barnes <i>et al</i>	do	594.75
28	B. M. Jeffries <i>et al</i>	do	579.00
28	Clark Bros	Areca Lutesceus and Latania Boebonica	55.00
28	R. J. Whittleton <i>et al</i>	Labor for February	452.41
28	H. A. Howes <i>et al</i>	do	168.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

PURCHASE, ETC., OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 1	N. C. Dorsey	Labor, Feb. 1 to 3	\$4.50
1	L. Arnold	Making paper bags	31.75
2	Ernest Betz	Labor and material	1.70
2	Eva Hilton	Labor, Feb. 16 to 28	4.50
7	Robert Buist, jr	Sweet corn and sacks	348.40
7	D. Landreth & Sons	Vegetable seeds and bags	482.60
7	Robert Gair	Manila seed bags	815.02
9	Wells & Nieman	Tobacco seeds	26.06
10	Washington Gaslight Co	Gas for February	24.00
10	J. F. Danels	Making seed bags	40.12
11	John C. Parker	Seed pockets	900.45
11	Tice & Lynch	Clearing and forwarding cotton seed	11.25
11	H. G. Bowland	Labor, Feb. 21	1.50
15	F. Barteldes & Co.	Vegetable seeds and bags	648.76
15	J. M. Thorburn & Co.	Flower seed	9.00
15	Emerson Bros	Pumpkin seed	25.00
15	Jerome R. Rice & Co.	Vegetable seed	215.00
15	John C. Parker	Seed pockets	288.75
15	M. F. Robinson <i>et al</i>	Labor, Mar. 1 to 15	499.50
15	Carrie Kelly <i>et al</i>	do	355.25
15	Rebecca Chapman <i>et al</i>	do	691.50
15	Louis Beebee <i>et al</i>	do	725.25
15	Garrett & Buchanan	Manila paper	25.50
16	E. S. Kibbey	Labor, 2 days March	3.00
16	M. L. Larnier	Labor, 5 days March	7.50
18	H. L. Biscoe	Rope, etc	11.99
18	Peter Henderson & Co.	Flower seeds, etc.	46.80
20	Peoples Dispatch Co	Transportation, seeds, January	12.01
20	do	Grape cuttings	6.90
21	Adams Express Co	Transportation, January	4.40
22	L. Arnold	Making seed bags	32.37
23	Phil. Stimmel	Vegetable seeds	257.50
28	Robert Gair	Seed bags	274.73
31	B. M. Vaughan <i>et al</i>	Labor, Mar. 16 to 31	165.00
31	K. B. Hackney <i>et al</i>	do	714.00
31	Louis Beebee <i>et al</i>	do	775.50
31	R. J. Whittleton <i>et al</i>	Salaries for March	460.40
31	H. A. Howes <i>et al</i>	Labor for March	226.00
	Total seeds		57,659.87
	Total printing, etc		1,405.69
	Total third quarter		59,065.56
Apr. 3	George W. Knox Express	Freight and drayage, January and February	297.96
3	J. T. Lovett	Strawberry plants	86.30
4	Northrup, Braslau and Goodwin Co.	Squash seeds and bags	30.44
4	J. M. Thorburn & Co.	Sweet corn	175.00
8	The Chesapeake and Potomac Telephone Co.	Telephone rent, Jan. 1 to Mar. 31, 1893	15.00
8	L. H. Hopkins	Rope	1.05
8	A. L. Reilly	Labor, Apr. 1 to 8, 7 days	10.50
8	Washington Gaslight Co.	Gas for March	19.00
10	Don P. Halsey	Labor, 1 day in March	1.50
12	Sioux City Nursery and Seed Co	Beet seed	60.00
12	do	Beans and bags	204.50
12	Amelia Reh <i>et al</i>	Labor, Apr. 1 to 15	232.50
15	J. W. Elwood <i>et al</i>	do	683.25
15	Mrs. Don P. Halsey	Labor 2½ days in April	3.75
18	Peter Henderson & Co.	Chrysanthemums	4.25
21	Samuel Merrill	Jute seeds, etc.	8.63
22	E. C. Shock	Labor, Mar. 1 to 15	5.25
24	George W. Knox Express	Freight and drayage, February and March	14.59
25	F. Barteldes & Co.	Vegetable seeds and bags	65.72
26	J. F. Danels	Making paper bags	39.68
28	N. M. Thissell	Labor, Mar. 16	1.50
30	A. E. Marschalk <i>et al</i>	Labor, Apr. 16 to 30	396.75
30	M. E. Thorn <i>et al</i>	Labor for April	298.30
30	A. E. Eaton <i>et al</i>	do	158.60
May 3	E. C. Little, agent and consul-general	Purchase and shipment cotton seed	77.40
6	Washington Gaslight Co.	Gas for April	18.00
13	George W. Knox Express	Freight charges, etc., March	13.30
15	J. B. Peck	Salary, May 1 to 15	82.42
15	A. E. Marschalk <i>et al</i>	Labor, May 1 to 15	414.00
17	Ernest Betz	Repairs to boiler	2.38
26	B. F. Stevens	Freight, etc., on 2 boxes from Calcutta	5.97

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd

PURCHASE, ETC., OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
May 31	E. A. Barbaux <i>et al</i>	Labor, May 16 to 31	\$470.25
31	M. E. Thorn <i>et al</i>	Labor for May	303.40
31	A. E. Eaton <i>et al</i>	do	162.80
June 9	Washington Gaslight Co	Gas for May	17.50
12	Geo. Ryneal, jr.	Lights (glass), etc	13.06
15	E. A. Barbaux <i>et al</i>	Labor, June 1 to 15	431.25
30	do	Labor, June 15 to 30	442.50
30	M. E. Thorn <i>et al</i>	Labor for June	337.30
	Total seeds		5,605.55
	Total printing, etc.		1,027.25
	Total fourth quarter		6,632.80
	<i>Supplemental.</i>		
July 5	Washington Gaslight Co	Gas for June	19.75
20	The Chesapeake and Potomac Telephone Co.	Telephone rent, Apr. 1 to June 30	15.00
31	Mrs. Don P. Halsey.	Labor in May	2.25
16	Oelrichs & Co.	Transportation cotton seed	11.23
	Total seed		48.23
	Total printing, etc.		50.50
	Total		98.73

RECAPITULATION.

First quarter	\$10,264.29
Second quarter	58,811.09
Third quarter	59,065.56
Fourth quarter	6,632.80
Supplemental	98.73
Total	134,872.47

SEEDS, PRINTING, LABOR, ETC.

Date.	Name.	Nature of payment.	Total.
1892.			
July 21	Frank Helmick <i>et al</i>	Labor for July	\$440.80
Aug. 31	do	Labor for August	448.30
Sept. 13	J. H. Mills & Co	Printers' supplies	33.70
30	Frank Helmick <i>et al</i>	Labor for September	452.90
	Total first quarter		1,378.70
Oct. 17	J. H. Mills & Co	Printers' supplies	45.15
31	Frank Helmick <i>et al</i>	Labor for October	440.80
Nov. 8	Geo. Ryneal, jr.	Danford fluid	1.50
30	Frank Helmick <i>et al</i>	Labor for November	433.40
Dec. 12	Geo. Ryneal, jr.	Danford fluid .....	.75
16	J. H. Mills & Co	Printers' supplies	39.10
16	C. B. Fenton & Co	Roller casting	17.22
31	Frank Helmick <i>et al</i>	Labor for December	440.80
	Total second quarter		1,418.72
1893.			
Jan. 9	J. H. Mills & Co	Printers' supplies	66.54
31	Frank Helmick <i>et al</i>	Labor for January	456.80
Feb. 28	do	Labor for February	380.40
Mar. 2	George Ryneal, jr.	Danford fluid .....	.75
9	W. C. Newton & Co	Printers' supplies	16.60
10	J. H. Mills & Co	do	15.30
15	do	Autograph signatures, etc	5.00
31	Frank Helmick <i>et al</i>	Labor for March	464.30
	Total third quarter		1,405.69
Apr. 10	J. H. Mills & Co	Signatures and engraving	5.00
10	Geo. Ryneal, jr.	Danford fluid .....	.75
13	W. C. Newton & Co	Recasting rollers, etc	17.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

SEEDS, PRINTING, LABOR, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 30	Frank Helmick <i>et al.</i>	Labor for April	\$325. 60
May 31	.....do	Labor for May	339. 80
June 30	.....do	Labor for June	339. 10
	Total fourth quarter .....	.....	1,027. 25
	<i>Supplemental.</i>		
July 1	W. C. Newton & Co	Printers' supplies	50. 50

RECAPITULATION.

First quarter	\$1,378. 70
Second quarter	1,418. 72
Third quarter	1,405. 69
Fourth quarter	1,027. 25
Supplemental	50. 50
Total	5,280. 86

DOCUMENT AND FOLDING ROOM.

Date.	Name.	Nature of payment.	Total.
1892.			
July 29	Ernest Betz	Galv. cups and plates	\$5. 28
Sept. 12	John C. Parker	Manila envelopes	532. 65
	Total first quarter .....	.....	537. 93
Oct. 10	Chesapeake and Potomac Telephone Co.	Telephone rent, July 1 to Sept. 30	15. 00
18	John C. Parker	Clasp envelopes	150. 00
Dec. 12	Herman Baumgarten	Stamps	8. 00
31	Z. D. Gilman	Gum arabic	123. 55
	Total second quarter .....	.....	296. 55
1893.			
Jan. 10	Chesapeake and Potomac Telephone Co.	Telephone rent, Oct. 1 to Dec. 31	15. 00
10	John C. Parker	Manila paper	276. 25
14	J. B. Hammond	Wooden tags	10. 00
Mar. 29	Easton & Rupp	Lacing twine	10. 00
	Total third quarter .....	.....	311. 25
Apr. 8	Chesapeake and Potomac Telephone Co.	Telephone rent, Jan. 1 Mar. 31	15. 00
22	John C. Parker	Manila paper and envelopes	277. 82
	Total fourth quarter .....	.....	292. 82
	<i>Supplemental.</i>		
July 19	John C. Parker	Manila envelopes, etc	170. 00
20	Chesapeake and Potomac Telephone Co.	Telephone rent, Apr. 1 to June 30	15. 00
	Total supplemental .....	.....	185. 00

RECAPITULATION.

First quarter	\$537. 93
Second quarter	296. 55
Third quarter	311. 25
Fourth quarter	292. 82
Supplemental	185. 00
Total	1,623. 55

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

EXPERIMENTAL GARDENS AND GROUNDS, MACHINERY, ETC.

Date.	Name.	Nature of payment.	Total.
1892.			
July 7	U. M. Ferguson	Straw	\$10.74
16	Paul Hiser, jr. & Bro.	Flower pots	76.50
29	Ernest Betz	Repairs to greenhouse	15.20
31	W. L. Phillips <i>et al.</i>	Salaries for July	390.00
Aug. 9	Alex. J. Wedderburn	Superphosphates	85.50
10	C. A. Schneider's Sons	Iron braces	19.80
10	Geo. Ryneal, jr.	Paint, oil, etc.	71.73
11	Edwd. S. Schmid	Hydro sprayer	6.00
12	Church & Stephenson	Lumber	58.10
13	P. M. Brown	Labor, making drawings, etc.	58.50
23	F. M. Steep	Hire of cart, July 27-29	20.25
31	W. L. Phillips <i>et al.</i>	Salaries for August	405.00
Sept. 8	Christopher Hayes	Leaf mold	30.00
13	H. L. Crawford	Laying pavement, etc.	2,329.37
15	T. W. Burr	Straw	13.45
16	Adams Express Co.	Transportation, July	13.55
19	Church & Stephenson	Lumber	40.07
19	Geo. Ryneal, jr.	Glass	41.65
19	Robert Leitch & Sons	Pipes, etc.	1,459.59
19	Geo. W. Knox Express	Freight charges	8.10
23	John McDermott & Bro.	Repairing wagons	168.50
27	E. Hippard	Ventilating apparatus	95.88
27	James M. Hall	Tobacco stems	10.70
30	United States Express Co.	Transportation in August	2.20
30	W. L. Phillips <i>et al.</i>	Salaries for September	312.00
	Total garden and grounds, machinery, etc.		5,742.38
	Total garden and grounds, labor.		4,625.00
	Total first quarter		10,367.38
Oct. 1	Ernest Betz	Tinning, etc.	95.30
6	Jos. P. Brass	Sand	22.00
10	Edwd. S. Schmid	Labels and stakes	156.25
10	John A. Power & Co.	Steam fitting	306.00
11	National Capital Ice Co.	Manure	57.00
14	L. H. Hopkins	Hardware, etc.	19.16
19	Church & Stephenson	Lumber	9.11
25	Jos. F. Collins	Brickwork	45.56
25	Geo. W. Knox Express	Freight and drayage, August	3.78
31	W. L. Phillips <i>et al.</i>	Salaries for October	312.00
Nov. 4	Ernest Betz	Repairs to greenhouse	31.36
8	James Cochrane	Hardware	10.75
8	Geo. Ryneal, jr.	White lead	20.25
30	W. L. Phillips <i>et al.</i>	Salaries for November	312.00
Dec. 1	N. E. Harvey	Labor, Nov. 23 to 30	12.00
5	Wm. E. Clark & Co.	Lawn mower, scales, etc.	85.00
9	Polman Mooy	Corvalaria pipes and case	39.10
10	Tice & Lynch	Freight charges on bulbs	7.04
30	Adams Express Co.	Transportation, November	15.40
31	N. E. Harvey	Salary for December	40.00
31	W. L. Phillips <i>et al.</i>	Salaries for December	324.00
	Total gardens and grounds, machinery, etc.		1,923.06
	Total gardens and grounds, labor.		4,640.00
	Total second quarter		6,563.06
1893.			
Jan. 3	Paul Hiser, jr. & Bro.	Flower pots	5.75
10	L. H. Hopkins	Hardware	7.15
14	Wm. E. Clark & Co.	Spades, barrows, knives, etc.	76.90
14	Church & Stephenson	Lumber	8.91
31	W. L. Phillips <i>et al.</i>	Salaries for January	312.00
Feb. 11	Geo. W. Knox Express	Freight, January	3.98
28	W. L. Phillips <i>et al.</i>	Salaries for February	288.00
Mar. 20	Ed. S. Schmid	Labels	16.50
21	Adams Express Co.	Transportation, January	1.05
29	Geo. W. Knox Express	Freight and drayage, February	4.32
31	W. L. Phillips <i>et al.</i>	Salaries for March	324.00
	Total gardens and grounds, machinery, etc.		1,018.56
	Total gardens and grounds, labor.		4,678.71
	Total third quarter		5,727.27

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

EXPERIMENTAL GARDENS AND GROUNDS, MACHINERY, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
April 8	James Cochrane	Bolts, chain, etc.	\$6.50
8	Ernest Betz	Repairs on tool house, etc.	5.10
13	United States Express Co.	Transportation, March.	12.15
18	Geo. F. Flint	Manure	9.00
30	W. L. Phillips <i>et al.</i>	Salaries for April	150.00
May 17	United States Express Co.	Transportation, April .....	.40
31	W. L. Phillips <i>et al.</i>	Salaries for May	162.00
June 12	Church & Stephenson	Lumber	4.16
19	Geo. W. Knox Express	Freight and drayage, May 22	1.57
30	A. E. Eaton <i>et al.</i>	Salaries for June	552.10
	Total gardens and grounds, machinery, etc.		902.98
	Total gardens and grounds, labor.		4,552.50
	Total fourth quarter.		5,455.48
	<i>Supplemental.</i>		
July 20	L. H. Hopkins	Locks, etc.	1.90

RECAPITULATION.

First quarter	\$10,367.38
Second quarter	6,563.06
Third quarter	5,727.27
Fourth quarter	5,455.48
Supplemental	1.90
Total	28,115.09

EXPERIMENTAL GARDENS AND GROUNDS, LABOR.

Date.	Name.	Nature of payment.	Total.
1892.			
July 31	Jas. K. Kerr <i>et al.</i>	Labor in July	\$1,557.80
Aug. 31	.....do	Labor in August	1,557.80
Sept. 30	.....do	Labor in September	1,509.40
	Total first quarter		4,625.00
Oct. 31	Jas. K. Kerr <i>et al.</i>	Labor in October	1,562.80
Nov. 30	.....do	Labor in November	1,514.40
Dec. 31	.....do	Labor in December	1,562.80
	Total second quarter		4,640.00
1893.			
Jan. 31	Jas. K. Kerr <i>et al.</i>	Labor in January	1,598.60
Feb. 28	.....do	Labor in February	1,442.80
Mar. 11	L. D. Frost	Labor, Mar. 1 to 8	16.00
31	Jas. K. Kerr <i>et al.</i>	Labor for March	1,621.31
	Total third quarter		4,678.71
Apr. 30	Jas. K. Kerr <i>et al.</i>	Labor for April	1,579.70
May 31	.....do	Labor for May	1,630.60
June 30	.....do	Labor for June	1,342.20
	Total fourth quarter		4,552.50

RECAPITULATION.

First quarter	\$4,625.00
Second quarter	4,640.00
Third quarter	4,678.71
Fourth quarter	4,552.50
Total	18,496.21

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

MUSEUM.

Date.	Name.	Nature of payment.	Total.
1892.			
July 31	E. Stephan <i>et al.</i>	Salaries for July	\$156.10
Aug 3	Walter F. Gould	Wooden plow of 1783	6.00
16	Barber & Ross	Band saw, etc	35.00
16	People's Dispatch Co.	Freight and drayage	1.67
31	G. B. Brackett <i>et al.</i>	Salaries for August	326.10
Sept. 9	Z. D. Gilman	Napthalene .....	.40
30	G. B. Brackett <i>et al.</i>	Salaries for September	316.83
	Total for first quarter		842.07
Oct. 31	G. B. Brackett <i>et al.</i>	Salaries for October	330.60
Nov. 30	do.	Salaries for November	293.77
Dec. 5	Washington Gaslight Co	Gas for November	6.75
31	G. B. Brackett <i>et al.</i>	Salaries for December	314.20
	Total second quarter		945.32
1893.			
Jan. 7	Washington Gaslight Co	Gas for December	7.00
31	G. B. Brackett <i>et al.</i>	Salaries for January	385.30
Feb. 7	Washington Gaslight Co	Gas for January	9.00
28	G. B. Brackett <i>et al.</i>	Salaries for February	409.67
Mar. 7	James P. Machen	Plow	5.09
10	Washington Gaslight Co	Gas for February	8.50
15	Carlile Smith	Plow	10.00
15	W. W. Moore	Plows	10.00
21	Adams Express Co.	Transportation, January	3.65
27	Jakob Eriksson	Specimens of cereals	8.41
31	G. B. Brackett <i>et al.</i>	Salaries for March	484.20
	Total third quarter		1,340.73
Apr. 8	L. H. Hopkins	Feather dusters, etc	5.35
8	Washington Gaslight Co	Gas for March	7.25
12	Robert Stone	Plow	8.00
13	United States Express Co	Transportation, March	1.65
30	G. B. Brackett <i>et al.</i>	Salaries for April	454.40
May 6	Washington Gaslight Co	do.	8.00
13	Geo. W. Knox Express	Freight and drayage for April	1.37
29	James Harris	Services May 1 to 15, inclusive	24.73
31	Henry Winckelman <i>et al.</i>	Salaries for May	163.40
June 9	Washington Gaslight Co	Gas for May	6.50
30	Henry Winckelman <i>et al.</i>	Salaries for June	158.30
	Total fourth quarter		838.95
	<i>Supplemental.</i>		
July 5	Washington Gaslight Co	Gas for June	4.00
20	Z. D. Gilman	Benzine, etc	2.60
	Total		6.60

RECAPITULATION.

First quarter	\$842.07
Second quarter	945.32
Third quarter	1,340.73
Fourth quarter	838.95
Supplemental	-6.60
Total	3,973.67

FURNITURE CASES AND REPAIRS.

Date.	Name.	Nature of payment.	Total.
1892.			
July 15	George A. Carter <i>et al.</i>	Labor, July 1 to 15	\$156.00
29	Ernest Betz	Tinning	524.40
31	Wm. G. Spencer <i>et al.</i>	Labor for July	252.00
Aug. 2	A. S. Burgess	Labor, 1½ days in August	4.50
3	The M. Ohmer's Sons Co.	Desk	76.00
3	Forsberg & Murray	Repairing elevator	18.00
6	Charles W. Tinsly	Labor in August	12.00
6	W. M. Whyte & Bro.	Skylight	24.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

FURNITURE CASES AND REPAIRS—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 23	W. B. Moses & Sons	Matting, etc.	\$26.98
24	William H. Lacey	Repairs to laboratory	6.00
25	Thos. Somerville & Sons	Globe valves	67.50
31	George A. Carter <i>et al</i>	Labor	270.00
Sept. 6	John A. Power & Co.	Plumbing, etc.	652.17
14	Ernest Betz	Sheet tin, etc.	5.75
15	Thos. Somerville & Sons	Hardware	54.98
30	Geo. A. Carter <i>et al</i>	Labor for September	413.00
	Total first quarter		2,563.28
Oct. 20	Jos. F. Collins	Lining fire walls, etc.	445.65
20	do	Repairing chemical laboratory	9.00
26	Thos. C. Basshor & Co	Ret. bends	3.65
31	Jas. McClelland <i>et al</i>	Salaries for October	364.00
Nov. 3	Thos. Somerville & Sons	Radiator, valves, etc.	201.66
8	Geo. Ryneal, jr	Glass	2.10
10	Church & Stephenson	Lumber	3.25
10	John A. Power & Co	Plumbing	91.03
11	W. B. Moses & Sons	Furniture, etc.	67.72
21	The M. Ohmer's Sons Co	Document and letter files	184.50
28	John S. P. Green	Papering, etc.	10.13
30	Jas. McClelland <i>et al</i>	Salaries for November	360.00
Dec. 6	W. B. Moses & Sons	Furniture, etc.	21.05
6	do	Carpet, etc.	50.04
8	Ernest Betz	Repairing roof	13.20
23	Rob't Leitch & Sons	Radiator, pipe, etc.	90.57
28	W. B. Moses & Sons	Carpets, chairs, etc.	212.75
31	Jos. McClelland <i>et al</i>	Salaries for December	457.50
	Total second quarter		2,587.80
1893.			
Jan. 4	Woodward & Lothrop	Felt	6.00
14	Wm. H. Lacey	Repairs in basement	20.00
17	Ernest Betz	Radiator	18.00
21	Frank Culver	Labor for January	3.00
21	F. Petersen	Shades	10.50
31	Jos. McClelland <i>et al</i>	Salaries for January	440.50
Feb. 3	Robert Leitch & Sons	Radiators, etc.	52.15
24	Chas. D. Harvey	Plumbing	9.75
24	W. B. Moses & Sons	Repairing chairs, etc.	31.50
24	do	Furniture, carpets, etc.	252.55
28	Jos. McClelland <i>et al</i>	Salaries for February	361.00
Mar. 16	W. H. Houghton Mfg. Co	Chair	6.50
18	W. B. Moses & Sons	Desk and chair	40.00
28	Office Specialty Mfg. Co	Laboratory case	40.00
31	R. E. L. Thompson <i>et al</i>	Salaries for March	243.00
	Total third quarter		1,534.45
Apr. 8	Ernest Betz	Repairs to seed building	11.50
28	Wm. H. Lacey	Plastering, etc.	10.00
29	Jarvis H. McGill	Cement	3.50
30	R. E. L. Thompson <i>et al</i>	Salaries for April	222.00
May 2	W. B. Moses & Sons	Upholstering, etc.	41.75
6	Geo. Ryneal, jr	Glass	8.80
12	John A. Power & Co	Plumbing	25.00
12	Church & Stephenson	Lumber	7.19
17	Ernest Betz	Repairing roof	3.60
17	W. B. Moses & Sons	Matting laid	8.75
17	Thos. Somerville & Sons	Brass counterscreen, etc.	37.81
19	Wash. B. Williams	Matting laid	16.50
25	Wm. H. Lacy	Plastering	8.00
26	Wilmarth & Edmonston	Cooler and stand	9.50
26	do	do	20.75
31	Geo. A. Carter <i>et al</i>	Salaries for May	243.00
June 3	H. O. Towles	Furniture	61.13
5	Chas. A. Freedman	Rearranging counter, Disbursing Office	55.00
5	L. H. Schneider's Sons	Hinges	4.25
5	J. H. Chesley & Co	Push plates, etc.	1.85
6	W. B. Moses & Sons	Repairing chairs	4.00
12	John A. Power & Co	Plumbers' supplies	109.75
12	do	do	8.74
12	Geo. Ryneal, jr	Paints, oils, etc.	28.55
12	Church & Stephenson	Lumber	18.13
17	Jos. F. Collins	Labor and material, June	95.00
17	do	do	12.00
23	Ernest Betz	Tinuing roof	14.66
27	F. H. Quast & Co	Two-thirds yard blue cloth	1.67

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

FURNITURE CASES AND REPAIRS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
June 27	Wash. B. Williams		\$143.35
30	H. O. Towles	Chair and table	15.30
30	Geo. A. Carter <i>et al</i>	Salaries for June	234.00
	Total fourth quarter		1,485.08
	<i>Supplemental.</i>		
July 5	Geo. Ryneal, jr.	Lead. oils, etc.	121.49
7	Wm. H. Lacy	Labor and material, plastering	97.00
19	John C. Parker	Dictionary stand	5.00
20	M. G. Copeland & Co.	Awnings	34.00
20	M. W. Beveridge	Pitcher .....	.75
20	Church & Stephenson	Lumber	56.70
20	Thos. Somerville & Sons	Pipe, etc.	121.90
20	L. H. Hopkins	Hardware	20.01
21	John A. Power & Co.	Plumbing, etc.	59.14
21	do	do	36.00
Aug. 19	Barber & Ross	Screens	18.00
	Total		569.99

RECAPITULATION.

First quarter	\$2,563.28
Second quarter	2,587.80
Third quarter	1,534.45
Fourth quarter	1,485.08
Supplemental	569.99
Total	8,740.60

LIBRARY.

Date.	Name.	Nature of payment.	Total.
1892.			
July 9	Thos. Meehan & Son	Subscription, Meehan's Monthly, July, 1892 to 1893.	\$2.00
9	F. E. Northous	Cyclopedia, Spofford & Annandale	20.00
12	B. Westermann & Co.	Foreign publications	6.02
19	Forest and Stream Publishing Co.	Subscription, 1 year, to July 29, 1893	4.00
19	American Field Publishing Co.	Subscription, July 16, 1892, to July 16, 1893	5.00
19	Georgie E. Maury	2 volumes "Curious Questions"	6.00
21	Rural Publishing Co.	Annals of Horticulture, 1890 and 1891	2.00
21	The Tribune Association	Subscription, 1 year from July 1, 1892	10.00
25	Wm. Ballantyne & Sons	Statesman's Year Book, etc.	67.65
26	P. F. Van Hamel Roos	Subscription, Revue des Falsifications, 1892-'93.	4.00
26	Robt. E. C. Stearns	Geological Survey collection ornithology, etc.	49.25
29	W. H. Lowdermilk & Co.	Scientific American, 1846 to 1891, 41 volumes.	155.50
30	G. P. Putnam & Son	Haydn's Dictionary of Dates	5.00
Aug. 2	W. H. Lowdermilk & Co.	Kryptogrammen Flora, 3 parts.	1.95
2	do	Cyclopedia of Manufacture and Products of the United States.	4.00
25	W. H. Walmesley	Photo-micrographs of leaves	15.00
27	B. Westermann & Co.	Foreign books	9.92
Sept. 5	L. S. Foster	North American Birds .....	.75
13	W. H. Lowdermilk & Co.	Books	24.45
	Total first quarter		392.49
Oct. 4	M. Riegersche	Forstellungen naturwissenschaft zeitschrift.	3.25
5	Geo. Stewart	McPherson's Handbook of Politics	2.00
7	National Geographic Society ..	National Geographic Magazine, 4 volumes	10.00
12	L. Tucker & Son	Subscription, Country Gentleman, July, 1892-'93.	2.50
12	J. B. Johnson	The Engineering Index	2.50
14	Em. Terquem	Subscription, Progrés Agricole, to July, 1893.	4.01
Nov. 9	The Lumber Trade Journal	Subscription, Oct. 1, 1892, to Oct. 1, 1893	2.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Nov. 9	Edw. L. Greene	Pittonia, volumes 1 and 2	\$5.00
10	A. Bouchereau	Louisiana Sugar Report, 1890-1892.	6.00
10	Wm. Wesley & Son	Subscriptions to periodicals.	29.34
11	Paul Parey	Foreign publications.	38.28
11	do	do	53.67
14	John C. Parker	Book supports	36.00
18	Wm. Ballantyne & Sons	Books	103.19
19	Edw. L. Greene	Flora Franciscana	2.50
21	William Wesley & Son	Odorographia	2.92
21	do	Foreign publications, etc	84.31
21	do	do	159.88
Dec. 2	Albert H. Storer	Subscription, Shipping and Corn List, and New York Price Current, Nov. 10, 1892, to Nov. 10, 1893.	9.00
2	Carl Schoenhof	Biologia Centrali Amer., 101, 102, and 103.	19.44
7	R. Friedländer & Sohn	Foreign publications	4.76
7	do	do	38.50
7	do	do	45.70
7	do	do	154.80
12	Henry Holt & Co	Crozier Botanical Dictionary	3.00
13	Bauer & Raspe	Spinnen Amerikas, 2 volumes	20.00
16	B. Westermann & Co	Foreign publications	1.08
19	Good Roads (League of American Wheelmen).	Subscription, July, 1892 to 1893, and 1 bound volume.	4.00
21	William Wesley & Son	Foreign publications	13.84
	Total second quarter		861.47
1893.			
Jan. 4	The Rural Publishing Co.	The Rural New Yorker, Jan. 7, 1893, to Dec. 30, 1893.	1.00
4	Munn & Co	Scientific American Architect and Buildings Edition, January, 1892, to January, 1894.	2.50
9	Wm. B. Dana & Co	Subscription, Commercial and Financial Chronicle for January 1893.	10.00
11	Willis L. Jepson	Subscription, Erythea, 1 year, 1893.	1.50
11	B. Westermann & Co.	Foreign publications.	7.20
16	Blackie & Son, Limited	Principles of Agriculture, parts 1 and 2.	2.25
16	Houghton, Mifflin & Co.	Subscription, Butterflies N. A., Pt. XIII.	2.25
24	W. H. Lowdermilk & Co	"American Farms," quill pens, etc.	1.35
Feb. 9	William Wesley & Son	Baker's New Ferns, etc.	2.75
9	do	Entomologists' Record, volumes 1 and 2 and subscription to volume 3.	7.00
11	L. S. Foster	The Auk, 1893.	3.00
11	The Torrey Botanical Club	Bulletin Torrey Botanical Club, 3 copies.	6.00
11	John M. Coulter	Subscription, Botanical Gazette, 1893, 3 copies.	7.50
11	American Agriculturist	Subscription, January, 1893, to January, 1894.	1.00
11	A. E. Foote	Books	15.30
11	E. T. Cresson	Subscription, Entomological News, volume 4, 1893.	1.00
11	R. H. Warder	American Pomology, etc.	6.05
11	Robert Beall	Dictionary Political Economy, part 3.	1.25
11	Wm. Ballantyne & Sons	Mexico of To-day, etc.	33.40
13	M. C. Cook	Atlas	1.36
17	Em. Terquem	Periodicals for 1893.	128.68
18	Garden and Forest Publishing Co.	Subscription, Jan. 4, 1893, to Dec. 27, 1893.	4.00
21	Wm. Wesley & Son	Periodicals for 1892 and 1893	83.43
21	B. Westermann & Co	Foreign publications.	7.58
23	Jas. D. & E. S. Dana	American Journal of Science	12.00
24	M. E. Mann	Appleton's Atlas	17.50
28	G. E. Stechert	The Ibis, January to December, 1893.	6.00
28	Garden and Forest Publishing Co.	Subscription Feb. 22, 1893, to Feb. 14, 1894.	4.00
28	Binder & Kelly	American Naturalist, January to December, 1893.	4.00
Mar. 1	Robert Beall	Books	3.50
2	Engineering News Publishing Co.	Subscription, Jan. 1, 1893, to Dec. 28, 1893.	5.00
3	Frank H. Vasil	Two copies Zoe, and subscription January to December, 1893.	8.00
7	Munn & Co.	Subscription, Scientific American, Jan. 1, 1893, to Jan. 1, 1894.	7.00
9	Macmillan & Co.	Weissmann Heredity, 2 vols	2.97
10	Em. Terquem	Foreign publications	9.27
14	Wm. Wesley & Son	Books for Ornithological Division	4.63

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 14	Wm. Wesley & Son	Books	\$7.00
14	do	Subscriptions to foreign publications	8.50
14	do	Foreign publications	9.29
14	do	do	43.43
14	do	do	44.00
14	do	do	73.00
15	The Boston Journal of Commerce Publishing Co.	Subscription, Dec. 24, 1892, to Dec. 24, 1893.	3.00
23	Macmillan & Co.	Subscription to Natural Science, Mar. 8, 1893, to Mar. 8, 1894	3.00
23	The Textile Record Co.	Subscription, January, 1893, to January, 1894	3.00
28	Edward Hart	Journal Analytical and Applied Chemistry	3.00
28	N. Murray	American Chemical Journal, January, 1893, to January, 1894.	4.00
30	American Academy Political and Social Science.	History, Theory, and Technique of Statistics.	1.50
	Total third quarter		623.85
April 3	Seth H. Chadbourne	Aiton's Hortus Kewensis, 5 volumes	3.00
3	B. Westermann & Co.	Foreign publications	1.29
4	The Rural Publishing Co.	American Gardening, Apr. 1, 1893, to Mar. 31, 1894.	1.00
4	The Writer Publishing Co.	Writing for the Press, 2 copies	2.00
10	Robert Beall	Books	2.25
10	W. H. Lowdermilk & Co.	do	40.61
10	J. Cardot	Foreign publications	1.33
12	Smythe, Britton & Poore Co.	Irrigation Age, Jan. 1, 1893, to Jan. 1, 1894.	2.00
12	Romeyn B. Hough	American Woods, Part III, 2 copies	10.00
13	M. E. Mann	The Earth and Its Inhabitants, vol. 3, 1893.	7.00
21	Carl Schoenhof	Biologia Centrali Americana, Nos. 104 and 105	12.96
21	Wm. Ballantyne & Sons	Popular Science Monthly, 1893, etc	51.80
28	William Frear	2 copies Agricultural Science, vol. VII	4.00
28	W. H. Lowdermilk & Co.	Poole's Index, vol. 3	8.00
28	R. Friedländer & Sohn	Foreign publications	25.91
May 12	F. H. Knowlton	Proceedings Biological Society	6.40
12	W. B. Judson	Subscription Northwestern Lumberman to April 15, 1894.	4.00
12	Academy of Natural Sciences	Proceedings, 1893	5.00
12	B. N. Rowley	Fruit Grower, Dec. 31, 1892, to Dec. 31, 1893	3.00
12	E. T. Cressn	American Entomological Society, vol. 20, 1893.	4.00
13	M. E. Mann	Appleton's Annual Encyclopædia, 1892	7.00
16	Paul Parey	Subscription and purchase foreign publications	131.66
June 16	Eyre & Spottiswoode	Subscription International Customs Journal, April, 1893, to March, 1894.	4.87
27	Robert Beall	1 Forest Planting and part 5 Palgrave's Dictionary of Political Economy.	2.75
28	B. Westermann & Co	Foreign publications	3.29
28	R. Friedländer & Sohn	do	40.22
28	do	Subscription foreign publications, July to December, 1892.	12.17
28	do	Subscription foreign publications for 1893.	93.05
29	Eyre & Spottiswoode	Reports on condition of agricultural laborer.	.85
30	The Houston Post	Subscription beginning June 1, 1893.	8.00
	Total fourth quarter		499.41
	Supplemental.		
July 1	S. E. Cassino	Naturalists' Directory	4.00
10	William Wesley & Son	Subscriptions to periodicals, etc	96.23
19	John C. Parker	Postal Guide	1.60
23	Wm. Ballantyne & Sons	Books	15.85
21	George W. York & Co	American Bee Journal, Jan. 1 to Dec. 31, 1893.	1.00
21	The Timberman	July 1, 1892, to July 1, 1893.	2.00
Sept. 11	B. Westermann & Co	Foreign publications	4.00
11	do	do	2.25
Oct. 3	Louisiana Planter and Sugar Manufacturer Co.	Subscription Louisiana Planter, May 1, 1893, to May 1, 1894.	3.00
23	William Wesley & Son	Index Kewensis, part 1	10.50
	Total		140.43

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

LIBRARY—Continued.

RECAPITULATION.

First quarter	\$392.46
Second quarter	861.47
Third quarter	623.85
Fourth quarter	499.41
Supplemental	140.43
Total	2,517.65

POSTAGE.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 24	Washington City post-office	Postage stamps	\$300.00
Sept. 22	do	do	100.00
	Total first quarter		400.00
Oct. 18	Washington City post-office	Postage stamps	515.00
Dec. 3	do	do	60.00
	Total second quarter		575.00
1893.			
Jan. —	Washington City post-office	Postage stamps	585.00
Feb. —	do	do	709.00
	do	do	500.00
Mar. —	do	do	215.00
	Total third quarter		2,000.00
May 8	Washington City post-office	Postage stamps	500.00
20	do	do	60.00
June 22	Postmaster, Washington, D. C.	do	20.00
27	Henry Sherwood, postmaster	do	150.00
	Total fourth quarter		730.00

RECAPITULATION.

First quarter	\$400.00
Second quarter	575.00
Third quarter	2,000.00
Fourth quarter	730.00
Total	3,705.00

CONTINGENT EXPENSES.

Date.	Name.	Nature of payment.	Total.
1892.			
July 21	J. M. Rusk	Traveling expenses self and private secretary, July.	\$63.00
25	Seaton Perry	Roller towels	19.44
26	American Ice Co.	Coal	928.91
29	Chas. Werner	Wood	26.70
29	Frank Aldrich	Scales	4.00
Aug. 2	Williams & Hanks	Pulleys	14.00
2	India Alkali Works	Putz liquid	7.30
2	Laura Williams	Washing towels, July	25.00
3	Forsberg & Murray	Elevator	165.00
6	C. Becker	Whip, collar, etc.	18.75
6	Geo. Ryneal, jr.	French glass	8.70
6	Washington Gaslight Co.	Gas for July	72.75
10	Z. D. Gilman	Fly paper	.60
10	John C. Parker	Toilet paper	74.50
10	Western Union Telegraph Co.	Cablegrams	5.59
11	John H. Magruder	Matches	7.50
11	Murray & Barker	Shoeing horses, July	38.50
11	Wm. A. Gaskins	Feed	43.31
12	Church & Stephenson	Lumber	312.22
12	John C. Parker	Repairing typewriter, etc.	47.50
13	The Hygienic Ice Co.	Ice for July	59.95
16	People's Dispatch Co.	Freight	1.45
18	Chas. M. Schmidt & Co.	World's insect killer	12.00
20	United States Express Co.	Transportation in July	4.05
22	H. B. Cannon	Expenses in August	1.40

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 23	W. B. Moses & Sons	Cleaning and relaying carpets	148.75
30	Barber & Ross	1 band saw	125.00
30	E. F. Lambert	Repairing basket	3.00
Sept. 2	Laura Williams	Washing towels, August	25.00
5	Nathaniel Shotswell	Expenses, Aug. 22-31	15.90
5	Geo. Ryneal, jr.	Glass cutter, etc.	53.51
5	Western Union Telegraph Co.	Cablegrams to London	6.05
5	Washington Gaslight Co.	Gas in August	73.75
5	Williams & Hanks	One pulley	2.75
5	J. Baumgarten & Son.	Stamps	2.75
6	M. A. Tappan	Pistol cartridges	4.50
9	C. Becker	Horse brushes, etc.	16.25
9	James Smith	Whitewashing	24.00
9	American Ice Co.	Coal	599.24
9	Z. D. Gilman	Sponges, etc.	34.35
9	Henry Casson	Expenses to Chicago and Milwaukee	45.45
9	J. M. Rusk	Traveling expenses for self and secretary	121.85
10	United States Electric Light- ing Co.	Electricity	107.15
12	John C. Parker	Stationery, etc.	243.68
13	Capitol, North O Street and South Washington Rwy. Co.	Car tickets	20.83
14	Ernest Betz	Oil cans, etc.	35.90
15	Thos. Somerville & Sons.	Leather belting, etc.	80.72
15	Church & Stephenson	Lumber	140.89
15	J. B. Bryan & Bro.	Soap	35.28
15	Pennsylvania Railroad Co.	Transportation, Casson, August	24.50
16	Adams Express Co.	Transportation in July	2.30
19	Murray & Barker	Shoeing horses, August	51.00
19	Easton & Rupp	Twine, etc.	144.05
19	Geo. W. Knox Express	Drayage on liquid polish .....	.50
19	Bureau of Press Clippings	Clippings for July	4.08
24	Wm. A. Gaskins	Oats	45.26
27	Charles Werner	Wood	26.70
28	Woodward & Lothrop	Sheeting	10.00
28	John McDermott & Bro.	Repairs, etc.	35.50
30	United States Express Co.	Transportation in August	4.70
30	F. W. Murray	Plumbing	4.50
30	Geo. Wm. Hill	Traveling expenses, September	3.10
	Total first quarter		4,284.61
Oct. 3	J. H. Wilkerson	Inspecting boilers	30.00
3	Adams Express Co.	Transportation in August	3.70
3	Laura Williams	Washing towels, September	25.00
4	J. Baumgarten & Son.	Stamps	4.50
4	Wm. Ballantyne's Sons	Stationery, etc.	128.48
5	Thos. M. Hyneman	Dental surgery for horses	33.00
5	Jas. F. McElhone	Letter books	5.25
5	U. S. Electric Lighting Co.	Use electric lamps, September	103.95
5	American Ice Co.	Coal	518.19
7	John A. Power & Co.	Plumbing, etc.	47.31
7	B. J. Downey & Son	Harness	45.00
7	do	do	65.00
7	Washington Gaslight Co.	Gas for September	84.25
10	Chesapeake and Potomac Tele- phone Co.	Telephone rent, July 1 to Sept. 30	168.00
10	Jas. L. Barbour & Son.	Buhach	16.80
10	Wm. N. Gaskins	Feed	60.30
10	Baltimore and Ohio R. R. Co.	Transportation, Henry Casson, August	17.50
12	Geo. T. Powell	Expenses in September	21.44
14	Springman's Express	Hauling	1.50
14	J. B. Chamberlain	Photo prints	4.32
14	W. H. Hoeke	Rugs	9.00
14	Capitol, North O Street and South Washington Rwy. Co.	Car tickets	20.83
14	James Cochrane	Repairs, etc.	22.95
14	do	Bolts, hooks, etc.	39.10
14	G. T. Raub	Hay	81.40
14	John C. Parker	Stationery	232.80
14	L. H. Hopkins	Rat trap	1.50
14	do	Hardware	117.91
15	Columbia Rubber Works Co.	Bands	166.02
15	Lewis Hoffenmaier	Drill press	37.50
17	J. E. Wakefield	Wrenches, clamps, etc.	27.50
18	Alex. Schmid	File jackets	44.00
18	United States Express Co.	Transportation in September	2.30
20	Murray & Barker	Shoeing horses, September	43.25
25	Church & Stephenson	Lumber	127.97

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 27	J. Baumgarten & Son	Stamp	\$4.50
27	Wash. Weaver	Straw	11.95
28	L. H. Schneider's Son	Rat traps	15.00
Nov. 2	The U. S. Electric Lighting Co.	Electric lights for October	106.75
2	Laura Williams	Washing towels, October	25.00
7	Washington Gaslight Co.	Gas for October	82.25
7	Western Union Telegraph Co.	Cablegrams	34.83
7	Wm. A. Gaskins	Feed	45.00
7	Murray & Barker	Shoeing horses	32.50
8	Z. D. Gilman	Soap	1.08
8	Geo. Ryneal, jr.	White lead, etc.	22.95
8	do	Oil, putty, etc.	108.69
9	India Alkali Works	Savogran	22.75
10	Church & Stephenson	Lumber	32.67
10	do	do	22.00
11	Ernest Betz	Tank for grindstone	4.00
14	John C. Parker	Stationery, etc.	305.85
17	J. Baumgarten & Son	Rubber stamps, etc.	18.50
17	Chas. Werner	Wood	53.40
17	S. A. Johnson, collector	Duty and fees on books	.60
18	M. G. Copeland & Co	Flags and awnings	70.75
18	do	Use of decorations for G. A. R., September, 1892.	275.00
19	H. C. Castle	"Klips"	5.00
19	Wm. B. Morgan	Magnesia sectional covering	13.77
21	A. Lisner	Soap	19.80
21	F. P. Jacobs	Clipping horse	3.00
22	J. M. Rusk	Expenses to New York and return	19.00
22	do	Expenses self and private secretary to Milwaukee, Chicago, etc., Oct. 16 to 26.	135.1
22	do	Expenses self and private secretary to Milwaukee, Chicago, etc., Oct. 28 to Nov. 11.	147.50
28	John C. Parker	Typewriter supplies	76.64
28	H. C. Castle	Klips and keys	10.60
28	United States Express Co.	Transportation in October	.50
30	N. V. Randolph & Co.	Cloth trays	6.55
Dec. 2	John McDermott & Bro.	Repairs, etc.	12.00
2	do	Repairing office carriage	57.50
2	Laura Williams	Washing towels, November	25.00
2	Western Union Telegraph Co.	Cablegrams, November.	14.88
5	John L. Wise	Scrubbrushes	12.75
5	Murray & Barker	Shoeing horses	32.00
5	Wm. A. Gaskins	Feed	59.76
5	Seaton Perry	Towels	78.84
5	Washington Gaslight Co.	Gas for November	73.50
5	J. Baumgarten & Son	Numbering machine and stamps	32.00
6	U. S. Electric Lighting Co.	Electric light for November	103.00
6	Capitol, North O Street and South Washington Rwy Co.	Car tickets	4.17
6	do	do	20.83
8	W. S. Tappan	Cleaning clocks	7.25
8	Geo. W. Knox Express	Freight and drayage, October	13.51
10	Capitol, North O Street and South Washington Rwy Co.	Car tickets	20.83
10	Chas. Werner	Wood	80.10
12	Geo. Ryneal, jr.	White lead, etc.	136.27
12	Z. D. Gilman	Carboy	1.75
12	Adams Express Co.	Transportation, October	1.90
15	American Ice Co.	Coal	40.18
15	United States Express Co.	Transportation, November	2.15
15	Estler Bros. & Co.	Potatoes, etc.	4.75
15	H. R. Miles	Repairing fire-alarm box	10.15
16	James B. Lambie	Keys, etc.	15.75
17	Belt & Dyer	Lumber	9.44
17	American Ice Co.	Coal	506.01
21	Geo. W. Knox Express	Freight and drayage, November	2.32
21	John C. Parker	Stationery, etc.	496.70
22	Norman Bestor, Agt.	Pasturing horses, etc.	28.95
22	Geo. H. Gaddis & Co.	Gas radiator	12.00
22	Easton & Rupp	Stationery	144.78
22	Frank Aldrich	Scales	2.00
27	G. T. Raub	Feed	85.69
28	W. S. Tappan	Cleaning clocks	4.50
28	Ratcliff, Darr & Co.	Commission	.32
30	People's Dispatch Co.	Freight charges	2.48
30	Adams Express Co.	Transportation, November	1.30
31	M. A. Tappan	Revolver and cartridges	16.90
	Total second quarter		6,265.26

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 3	Laura Williams.....	Washing towels, December.....	\$25.00
7	The U. S. Electric Lighting Co.	Use arc lamps in grounds, December.....	105.59
7	Washington Gaslight Co.....	Gas for December.....	87.25
9	J. H. Chesley & Co.....	Brooms.....	16.26
9	Wm. A. Jaskins.....	Feed.....	42.42
10	L. H. Hopkins.....	Hardware.....	131.05
10	Chesapeake and Potomac Telephone Co.	Telephone rent, Oct. 1 to Dec. 31.....	168.00
10	John C. Parker.....	Stationery, etc.....	244.22
14	Capitol, North O Street and South Washington Rwy. Co.	Car tickets.....	20.83
14	Western Union Telegraph Co.	Cablegrams.....	7.83
14	W. S. Tappan.....	Wall clock.....	14.00
14	Royce & Marean.....	Maintenance Observatory clock, July 1 to Dec. 31.....	2.50
14	do.....	Electrical supplies.....	23.50
14	Church & Stephenson.....	Lumber.....	155.82
16	Wm. G. Bayley.....	Straw.....	10.08
17	C. Becker.....	Repairing harness, etc.....	31.05
17	Wilmarth & Edmonston.....	Spittoons, coolers, etc.....	62.13
17	Murray & Barker.....	Shoeing horses.....	26.00
17	Ernest Betz.....	Stove, etc.....	19.00
17	do.....	Resetting tiling, etc.....	40.50
28	Charles Werner.....	Wood.....	106.80
Feb. 1	J. H. Mills & Co.....	Electros.....	5.00
1	W. A. Pate.....	Lap robe.....	9.00
1	John H. Davis.....	Schlicht index.....	75.00
1	Julius Lansburgh.....	Draping Department on death ex-President Hayes.....	300.00
2	James Cochran.....	Hardware, etc.....	18.25
2	Laura Williams.....	Washing towels, January.....	25.00
3	Ratcliff, Darr & Co.....	Commission, etc.....	3.55
3	Murray & Barker.....	Shoeing horses.....	44.75
4	American Ice Co.....	Coal.....	770.26
4	Wm. A. Gaskins.....	Feed.....	41.58
4	John A. Power & Co.....	Plumbing, etc.....	150.87
4	S. A. Johnson, collector.....	Duty on books, etc.....	1.00
6	People's Dispatch Co.....	Freight charges, December.....	.75
6	Western Union Telegraph Co.	Cablegrams.....	11.53
7	J. Baumgarten & Son.....	Stamps.....	7.25
7	U. S. Electric Lighting Co.....	Electric light for grounds, January.....	108.05
7	Washington Gaslight Co.....	Gas for January.....	112.75
8	C. Becker.....	Fur robe, etc.....	21.25
8	Thomas Somerville & Sons.....	Cotton waste, etc.....	18.74
8	do.....	Leather belting, etc.....	67.01
8	Z. D. Gilman.....	Brushes, etc.....	.85
8	Geo. Ryneal, jr.....	Lead, etc.....	30.73
8	do.....	Thumb tacks, etc.....	38.71
8	Church & Stephenson.....	Lumber.....	70.44
9	National Oil Works and Mill Supply Co.	Machinery oil.....	41.60
11	Bureau of Press Clippings.....	Clippings.....	2.24
11	Political Bureau of Clippings.....	do.....	8.70
11	Wyckoff, Seamans & Benedict.....	Remodeling typewriter.....	30.00
11	Springman's Express.....	Hauling, etc.....	8.25
11	J. T. Thompson.....	Embossing.....	65.25
15	Jas. L. Barbour & Son.....	Bon Ami.....	5.00
15	F. P. May & Co.....	Letter scales.....	2.25
15	Wm. Ballantyne's Sons.....	Cartage.....	.50
15	do.....	Stationery.....	416.35
15	Adams Express Co.....	Transportation, December.....	2.35
15	K. Nicolaides.....	Vase.....	4.00
16	John C. Parker.....	Typewriter supplies.....	146.48
16	do.....	Stationery, etc.....	434.71
17	Gould Packing Co.....	Gould's packing.....	15.60
18	M. G. Copeland & Co.....	Flag.....	18.00
18	Capitol, North O Street and South Washington Rwy. Co.	Car tickets.....	20.83
20	The Sentinel Co.....	Subscription Milwaukee Sentinel, July 1, 1892 to Mar. 1, 1893.....	6.70
20	American Ice Co.....	Coal.....	193.81
24	G. T. Raub.....	Hay.....	77.23
27	The Hygienic Ice Co.....	Ice.....	234.16
Mar. 1	The Columbia Rubber Works Co.	Bands.....	67.88
1	A. P. McElroy.....	Oak molding, etc.....	5.20
2	Geo. Ryneal, jr.....	Glass.....	6.15
2	do.....	Lead, glass, etc.....	53.65
2	American Ice Co.....	Coal.....	286.02
2	Laura Williams.....	Washing towels, February.....	25.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 3	John McDermott & Bro	Repairing, etc	\$44.00
6	J. M. Rusk	Traveling expenses to Fremont, Ohio, and return	14.00
7	Wyckoff, Seamans & Benedict	Repairing typewriters, etc	47.50
7	Ratliffe, Darr & Co	Services as auctioneers, February	20.93
7	C. Becker	Horse-clipper	4.50
7	do	Robe and horse blankets	33.00
7	Wm. A. Gaskins	Feed	41.58
7	The United States Electric Lighting Co.	Electric light, February	96.40
8	John C. Parker	Remodeling typewriter	45.00
8	Western Union Telegraph Co.	Cablegram	5.36
8	J. B. Bryan & Bro	Soap	48.00
8	Springman's Express	Hauling books	2.50
8	Z. D. Gilman	Chamois skins	2.50
9	O. D. La Dow	Traveling expenses, New York to Washington and return	23.27
9	A. P. McElroy	Oak molding, etc	4.84
10	Washington Gaslight Co	Gas for February	96.00
10	The Evening Star Newspaper Co.	"Star," July 1, 1892, to March 4, 1893	3.60
11	John C. Parker	Typewriter supplies	56.25
11	do	Stationery	233.96
11	Chas. Werner	Wood	42.72
15	Geo. Ryneal, jr	Glass .....	.45
16	A. P. McElroy	Oak molding	4.20
16	Church & Stephenson	Lumber	26.69
16	American Ice Co	Coal	196.14
17	United States Express Co	Transportation, February	2.75
18	J. Baumgarten & Son	Stamp	26.25
20	Capitol, North O Street and South Washington Rwy. Co.	Car tickets	20.83
20	Woodward & Lothrop	Brushes, etc	7.25
21	Adams Express Co	Transportation, January	2.35
23	Bureau of Press Clippings	Clippings	2.10
23	Woodward & Lothrop	Towels	50.00
24	The Fairbanks Co	Scales, truck, etc	37.85
24	Ernest Betz	Watering pots, etc	31.50
24	Murray & Parker	Shoeing horses, February	45.00
29	Easton & Rupp	Stationery	121.70
29	Wyckoff, Seamans & Benedict	Typewriter, etc	102.86
30	Office Specialty Manufacturing Co.	Copier, etc	55.00
	Total third quarter		7,048.89
Apr. 3	Chas. Werner	Wood	90.78
3	J. Baumgarten & Son	Stamps and ink	8.25
3	Laura Williams	Washing towels, March	25.00
7	A. S. Gillingham	Straw	10.86
8	Murray & Barker	Shoeing horses, March	29.75
8	The Hygienic Ice Co	Ice, January, February, and March	83.82
8	The United States Electric Lighting Co.	Electric lights, Department grounds, March	108.35
8	The Chesapeake and Potomac Telephone Co.	Telephone rent for March, etc	163.70
8	L. H. Hopkins	Hardware, etc	89.40
8	American Ice Co	Coal	289.22
8	Washington Gaslight Co	Gas for March	86.25
10	People's Dispatch Co	Transportation in February	1.43
10	John H. Magruder	Matches	7.50
10	E. F. Lambert	Towel basket	9.00
10	Wm. Ballantyne & Sons	Stationery	218.51
10	Geo. Ryneal, jr	Bluestone and coal oil	12.77
10	Western Union Telegraph Co.	Cablegrams in March	6.38
13	Church & Stephenson	Lumber	53.98
13	United States Express Co	Transportation, March	1.00
14	Church & Stephenson	Lumber	13.75
14	Adams Express Co	Transportation, February	4.15
20	J. Baumgarten & Son	Stamps	18.50
24	Geo. W. Knox Express	Freight, March .....	.89
26	A. B. Crane	Expenses trip from Norfolk, Va., to Washington	7.10
26	E. W. Raub	Hay	49.98
28	V. G. Fisher, manager	Plate and die	14.50
29	Wyckoff, Seamans & Benedict	Adjusting typewriter .....	.50
29	do	Repairs to typewriter	12.00
May 3	Laura Williams	Washing towels, April	25.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
May 5	F. B. Crane.....	Traveling expenses, Norfolk to Washington and return, April.	\$8.05
6	Western Union Telegraph Co.	Cablegram.....	2.37
6	The United States Electric Lighting Co.	Electric light for April.....	104.72
6	Washington Gaslight Co.....	Gas for April.....	88.75
6	Wm. A. Gaskins.....	Feed.....	70.56
6	H. S. Nichols.....	Expenses, Norfolk to Washington and return, May.	8.85
12	Estler Bro. & Co.....	Candles.....	3.75
12	Jno. S. Arnold, superintendent.	Telegrams.....	.76
12	Murray & Barker.....	Shoeing horses in April.....	24.25
12	Church & Stephenson.....	Lumber.....	10.40
12	Smithsonian Institution.....	Transportation of exchanges, Jan. 1 to Mar. 31, 1893.	2.60
12	Belt Railway Co.....	Street-car tickets.....	20.83
12	Z. D. Gilman.....	Medium Florida sponge.....	50.00
13	Adams Express Co.....	Transportation in March.....	3.05
13	Royce & Marean.....	Maintenance Department clock, quarter ending Mar. 31.	1.25
12	.....do.....	Electrical supplies.....	8.90
17	United States Express Co.....	Transportation, April.....	6.00
19	Woodward & Lothrop.....	Brushes and combs.....	5.70
22	Chas. Werner.....	Wood.....	53.40
25	Wyckoff, Seamans & Benedict.	Typewriter supplies.....	9.00
25	American Ice Co.....	Coal.....	68.09
25	Adams Express Co.....	Transportation in April.....	1.80
25	J. M. Gileson.....	Hay.....	13.42
26	Wilmarth & Edmonston.....	Feather dusters, etc.....	69.65
June 2	Laura Williams.....	Washing towels for May.....	25.00
6	Great Northwestern Telegraph Co.	Telegrams, February.....	1.14
6	The Daily News.....	Advertising, April.....	12.65
6	New York Staats Zeitung.....	.....do.....	15.75
6	Chicago Herald Co.....	.....do.....	50.00
6	The Tribune Printing Co.....	.....do.....	11.00
6	A. S. Abell Co.....	.....do.....	19.50
6	The Globe Newspaper Co.....	.....do.....	24.75
6	The K. C. Times Newspaper Co.	.....do.....	30.00
6	St. Louis Republic.....	.....do.....	40.00
6	New York Times Publishing Co.	.....do.....	47.50
6	J. Baumgarten & Son.....	Rubber stamps.....	3.00
6	People's Dispatch Co.....	Freight charges, April.....	2.00
6	J. B. Bryan & Bro.....	Soap.....	8.25
6	Geo. Ryneal, jr.....	Chamois skins.....	8.80
6	D. Haines.....	Hay.....	13.26
8	Lincoln B. Smith.....	Cab hire for April.....	13.50
9	Washington Gaslight Co.....	Gas for May.....	79.75
10	The Journal Co.....	Advertising, April.....	14.43
10	The Record Publishing Co.....	.....do.....	46.20
12	Easton & Rupp.....	Stationery.....	25.10
12	Z. D. Gilman.....	Gum camphor.....	3.00
12	The Washington Post Co.....	Advertising in April.....	18.27
12	Church & Stephenson.....	Lumber.....	9.00
12	.....do.....	.....do.....	9.60
12	C. Becker.....	Repairing harness, etc.....	7.45
12	United States Electric Lighting Co.	Electric current for May.....	108.26
12	S. A. Johnson, collector.....	Custom charges, June.....	.75
13	U. M. Ferguson.....	Straw.....	14.52
16	The Press Publishing Co.....	Advertising in April.....	57.75
16	Murray & Parker.....	Shoeing horses in May.....	23.75
20	United States Express Co.....	Transportation, May.....	3.33
20	A. S. Abell Co.....	Advertising in June.....	8.55
20	The Globe Newspaper Co.....	.....do.....	9.50
20	New York Times Publishing Co.	.....do.....	19.00
21	Wm. Ballantyne & Sons.....	Steel erasers.....	18.27
22	Adams Express Co.....	Transportation, May.....	1.35
22	.....do.....	.....do.....	3.50
23	Ernest Betz.....	Making iron tank.....	53.00
27	Bureau of Press Clippings.....	Press clippings for May.....	5.74
27	Wyckoff, Seamans & Benedict.	Repairs on typewriter.....	13.26
27	H. H. C. Dunwoody.....	Traveling expenses, May 29 to June 19.	6.00
28	J. N. Truax.....	Hay.....	16.91
29	N. Y. Times Publishing Co.....	Proposals for chemicals supplies.....	15.00
30	Belt Railway Co.....	Car tickets.....	41.50
Total fourth quarter.....			3,038.41

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental.</i>			
1893.			
July 1	Wilmarth & Edmonston	Dusters, etc	\$17.35
1	Office Specialty Mfg. Co	Shannon covers, etc	23.40
3	The Times Publishing Co	Advertising in June	15.20
3	Laura Williams	Washing towels in June	25.00
5	Royce & Marean	Maintenance clock to June 30	1.25
5	Washington Gaslight Co	Gas for June	66.75
6	The Globe Newspaper Co	Advertising in June	4.50
6	A. S. Abell Co	do	5.63
6	The Washington Post Co	do	10.50
7	Thaddeus Davids Co	Marking ink	1.00
7	Murray & Barker	Shoeing horses	23.75
7	The U. S. Electric Lighting Co	Electric light for June	105.00
7	do	do	5.61
7	Western Union Telegraph Co	Cablegram	1.71
19	John C. Parker	Indelible ribbons, etc	11.45
19	do	Paper	37.25
19	do	Stationery, etc	286.59
19	do	do	481.29
20	Robacher's Disinfectant Co	Disinfectant	15.00
20	Wm. E. Clark & Co	Snow shovels, etc	2.64
20	Geo. W. Knox Express	Freight and drayage May and June	3.66
20	The Chesapeake and Potomac Telephone Co	Telephone rent April 1 to June 30	106.25
20	Smithsonian Institution	Transportation of exchanges, 4th quarter .....	.75
20	Church and Stephenson	Lumber	13.72
20	Z. D. Gilman	Fly paper	1.70
20	L. H. Hopkins	Hardware	29.16
20	M. G. Copeland & Co	Hanging awnings, etc	44.80
21	The Record Publishing Co	Advertising June	13.60
21	The Boston Herald Co	do	4.50
24	Pennsylvania R. R. Co	Transportation, Dunwoody, May and June	13.00
24	Adams Express Co	Transportation in June	3.15
25	F. V. Coville	Traveling expenses in June	58.55
27	Jno. McDermott & Bro	Glass, etc	3.25
27	The Washington Post Co	Advertising in June	6.29
27	United States Express Co	Transportation in June	1.00
31	Easton & Rupp	Felt copy pads	4.30
31	G. T. Raub	Hay	30.64
Aug. 3	The Hygienic Ice Co	Ice, April, May, and June	113.49
7	Washington News Publishing Co	Advertising in June	6.72
16	C. Schneider	Repairing safe, June	5.00
16	Wm. A. Gaskins	Feed in May and June	76.92
17	Pennsylvania R. R. Co	Transportation, Dunwoody, June	6.50
24	Woodward & Lothrop	China silk, etc	3.73
28	Harris & Shafer	Clocks and repairs to pitchers	13.75
Oct. 3	Bureau of Press Clippings	Clippings, April 1 to June 30, 1893	17.30
6	Philadelphia & Reading R.R. Co	Transportation, Dunwoody, June, 1893	7.68
13	C. Becker	Horse boot, etc	1.85
28	Postal Telegraph Cable Co	Cablegrams	5.27
	Total		1,737.40

RECAPITULATION.

First quarter	\$4,284.61
Second quarter	6,265.26
Third quarter	7,048.89
Fourth quarter	3,048.41
Supplemental	1,737.40
Total	22,374.57

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY.

Date.	Name.	Nature of payment.	Total.
1892.			
July 12	State Journal Co.	Daily State Journal, July 1, 1892, to Nov. 1, 1892.	\$4. 15
12	Lea Brothers & Co.	Subscription to American Journal Medical Sciences, etc., July 1, 1892, to July 1, 1893.	7. 50
18	D. Appleton & Co.	Subscription to N. Y. Medical Journal, July, 1892 to 1893.	5. 00
18	Geo. S. Davis	Subscription to Index Medicus, July 18 2-'93.	10. 00
18	E. and H. Anthony & Co.	Subscription to Illustrated Bulletin, July 1892-'93.	3. 00
18	Sabiston & Murray	Subscription to American Veterinary Review, July 1892-'93.	3. 00
19	Bausch & Lomb Optical Co.	Knife for microtome	8. 00
23	John McDermott & Bro.	Road wagon	250. 00
23	Moses De La Bar	Slaughtered cattle	20. 00
23	Anna Finn	do	20. 00
25	Capitol, North O Street and South Washington Rwy. Co.	Car tickets	12. 50
31	D. E. Salmon <i>et al</i>	Salaries for July	4, 479. 07
Aug. 1	H. Hammel	Slaughtered cattle	20. 00
2	V. G. Fischer	Subscription to American Agriculturist, etc.	32. 75
2	M. M. Buck & Co.	Lanterns, etc	7. 05
3	O. L. Boor <i>et al</i>	Salaries for July	843. 70
3	Julius Huelsen <i>et al</i>	do	729. 00
3	O. W. Green <i>et al</i>	Labor for July	498. 25
3	Edward Devoe <i>et al</i>	Salaries for July	656. 80
4	Edwin S. Huff <i>et al</i>	do	592. 30
4	Frederick H. Gage <i>et al</i>	do	780. 90
4	John Michels <i>et al</i>	do	878. 80
4	Davenport Fisher <i>et al</i>	do	1, 115. 40
4	Ernest S. Dundas <i>et al</i>	do	1, 995. 52
4	G. A. Johnson <i>et al</i>	do	239. 10
4	John Forbes <i>et al</i>	do	357. 10
4	W. B. Cutler <i>et al</i>	do	461. 40
4	S. W. McGrew <i>et al</i>	do	786. 30
4	H. L. Hewetson <i>et al</i>	do	815. 18
5	James Wilson <i>et al</i>	do	1, 329. 92
5	D. R. Krehbiel <i>et al</i>	do	1, 582. 40
5	Amelia Barthels <i>et al</i>	do	265. 59
5	Norman R. Adams <i>et al</i>	Labor for July	546. 00
5	Albert Burger <i>et al</i>	Salaries for July	2, 631. 78
5	Floy McEwen <i>et al</i>	do	2, 680. 80
5	Mary E. Price <i>et al</i>	do	262. 60
5	James H. Hogan <i>et al</i>	do	168. 04
5	B. Westermann & Co.	Foreign publications	16. 15
6	C. Becker	Saddle, bridle, etc	48. 25
6	Washington Gaslight Co.	Gas for July	18. 75
6	F. H. Bernard <i>et al</i>	Salaries for July	2, 892. 37
6	Geo. S. Baker <i>et al</i>	do	2, 897. 12
6	H. J. Ruppert	Land rent, Benning's Road, July	41. 66
6	Elmer E. Hoover <i>et al</i>	Salaries for July	123. 10
8	John W. Martin	do	136. 00
8	James Treueman <i>et al</i>	do	388. 60
8	Dighton Granger <i>et al</i>	do	1, 012. 57
8	Alfred Burnett	Labor, July	39. 00
8	Alvord H. Rose	Office expenses, July	13. 15
8	do	Livery for July	45. 00
8	N. E. Telephone and Telegraph Co.	Telephone rent, July	10. 00
8	Luther Holton	Salary and expenses, July	68. 78
8	Lewis L. Bullard	do	69. 26
8	George H. Oliver	do	69. 26
8	John Shannon	do	70. 46
8	Eugene R. Hendley	Salary for July	84. 20
8	John W. Hitchings	Salary and expenses, July	92. 86
8	Thomas Coyle	do	99. 67
8	William H. Way	do	123. 92
9	James Stikeman	Office rent, New York City, July	45. 83
9	Chas. W. Petty	Salary and expenses, July	68. 54
9	James Russell	do	86. 68
9	Joseph Jarvis	do	86. 78
9	Hiram Jerome	do	91. 88
9	Geo. Cornish	do	93. 70
9	William Foley	do	94. 00
9	James Flannery	do	94. 26
9	Jos. P. McEnaney	Salary for July	101. 10
9	Henry Brister	Salary and expenses, July 1-14	80. 32
9	do	Salary and expenses, July 15-31	59. 98

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 9	Henry S. Vanderhoff	Salary and expenses, July	\$145.63
9	W. H. Rose	Office expenses, July	13.25
9	do	Salary for July	200.00
9	J. H. Phelan	Expenses, July	9.25
9	Wood & Van Sant, G. A.	Office rent, Newark, July	20.83
9	F. H. Spengeman	Office rent, Jersey City, July	50.00
9	George Fick	Storage, Jersey City, July	6.00
9	John Medole & Son	Stationery	56.05
9	James Cassey	Salary and expenses, July	90.95
9	Ira C. Kilburn	do	105.45
9	Melvin Doremus	do	105.45
9	Thos. Crozer	do	108.45
9	Richard Kay	do	157.05
9	W. W. Curry	do	162.90
9	H. W. Rowland	do	162.90
9	Werner Runge	do	165.85
9	W. H. Cooper	do	167.90
9	James A. Wabrath	do	213.50
9	J. W. Hawk	do	218.65
9	W. S. Devoe	do	296.70
9	W. H. Morris	Subscription to Swine Breeders' Journal	1.00
10	Alex. Yearly & Son	Office rent, Baltimore, July	10.00
10	David Holland	Salary and expenses, July	82.00
10	Robert Fisher	do	82.96
10	James Boyd	do	83.04
10	James A. Cunningham	do	83.32
10	Isaac L. Ball	Salary for July	84.20
10	Frederick Gross	Salary and expenses, July	84.20
10	Charles F. Nesbit	do	98.00
10	A. W. Clement	do	174.61
10	Geo. C. Faville	Office expenses, July	2.85
10	do	Salary and expenses, July	290.10
10	Emily Lucas	Services as janitress, July	3.50
10	E. H. Flavin	Salary and expenses, July 1-7	20.69
10	John W. S. Ortiz	Salary and expenses, July	89.05
10	John Mesick	do	89.52
10	William Taylor	do	89.52
10	Samuel Jarvis	do	90.32
10	Cornelius S. Vosburgh	do	90.72
10	Chester H. Bliss	do	91.08
10	Frank Hallenbeck	do	91.58
10	John H. Eadie	do	92.12
10	Charles E. Grogan	do	92.97
10	James Smith	do	95.82
10	J. Sumner Sargent	do	114.20
10	Benj. B. Mullen	do	116.67
10	Claude D. Morris	do	129.66
10	Henry B. Ambler	do	143.44
10	W. J. Watt	do	175.17
10	W. H. Pendry	do	181.57
10	Edwin W. Poole <i>et al</i>	Salaries for July	834.70
10	F. E. Parsons	Salary and expenses, July	248.74
10	Z. D. Gilman	Chemicals, etc.	11.30
11	Lake Gas Co	Gas for July, Chicago	1.25
11	The Office Toilet Supply Co.	Toilet supplies, Chicago, July	6.00
11	J. J. Evans	Iron pipe, etc.	6.00
11	Lockwood & Strickland	Lumber	7.47
11	C. H. Hanson	Stencils, etc.	8.05
11	Chicago Telephone Co	Telephone service, Chicago, July	10.42
11	Rand, McNally & Co	Stationery, etc.	10.65
11	Paul Rieser	Repairing boxes, etc.	14.15
11	A. H. Andrews & Co	Desk, etc.	14.50
11	Chas. Truax Greene Co	Scales, chemicals, etc.	16.82
11	William H. Bogart	Salary and expenses, July	122.88
11	Edward Morris	Office rent, Chicago, Ill.	133.33
11	John B. Sine	Salary and expenses, July	146.10
11	A. D. Melvin	do	297.75
11	B. J. Downey & Son	Set of harness	55.00
13	Chas. E. Gragg <i>et al</i>	Salaries for July	1,177.39
13	Edwin W. Poole	Stencil plate, etc.	1.65
13	Julius Huelsen	Office expenses, July	5.18
13	Drake Brothers	Water cooler, etc.	5.65
13	Henry Zulauf	Awnings	20.00
13	H. A. Heath	Salary for July	134.80
13	Samuel W. Campbell	Salary and expenses, July	172.21
13	Bay State Clean Towel Fur- nishing Co.	Towel supply, July	7.50
13	Annie L. Richards	Office rent, Boston, July	40.00
13	Wilson F. Braden	Salary, July	84.20

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 13	Robert W. Ardary	Salary, July	\$117.90
13	A. W. Fulkerson	Towel supply, July	8.00
13	C. J. Baker	Awnings	42.80
13	F. O. Walcker	Nippers, tacks, etc	47.75
13	George Sinclair	Salary, July	60.60
13	The New York and New Jersey Telephone Co.	Rent, etc., Jersey City, July	18.00
13	W. S. Devoe	Expenses, July	46.25
13	J. N. Wittpenn	Salary and expenses, July	148.15
13	Theodore De Clyne	do	148.15
13	George Carter	Salary, July 15-31	55.43
13	do	Salary, July 1-14	38.04
13	William B. E. Miller	Office expenses, Philadelphia, July	2.00
13	do	Salary and expenses for July	205.85
16	R. W. Hickman	do	287.61
16	W. A. Willard	do	123.57
16	J. H. Ferster	do	120.67
16	John Broderick	Office rent, New York, July	16.00
16	Sturges, Wescott & Harold Co.	Labeling compound	2.50
16	Alexanderina Dick	Services as janitress, July	5.00
16	Perkins, Goodwin & Co.	Bleaching powder	27.19
16	Washburn Bros. Co.	Lime	55.00
16	Henry W. Elliot	Salary and expenses, July	136.77
16	C. A. Welcher	Chemicals	25.10
16	do	Varnish	2.50
16	Packers' National Bank	Rent of rooms	35.00
16	Dewey & Stone Furniture Co.	Tables, etc	24.70
16	J. A. Doe	Expenses in July .....	.65
16	J. M. Wardlaw	Salary for July	134.80
16	Luther Poland	do	101.10
16	Thomas W. Ashel	Salary and expenses, July	127.50
16	John Forbes	Drayage	1.00
16	A. R. Kennedy	Salary for July	117.90
16	Chas. A. Wilcox	do	101.10
16	W. S. Glynn	Hauling seals, etc	4.00
16	Hess & Pfaelzer	Feed	14.01
16	George H. Graham	Salary for July	134.80
17	W. H. Wray	Salary and expenses, July	476.64
17	J. F. Ryder	do	265.85
17	O. P. Vandenberg	do	89.52
17	Guy A. Adams	do	71.62
17	David Parker	do	147.90
17	James Welch	do	87.92
17	John N. Lester	do	81.42
17	Ryland M. Scotford	Canceling wheel	8.50
17	Bonniwell, Newman & Calvin	Varnish, brushes, etc	20.40
17	R. Sears	Salary and expenses, July	135.65
17	do	Office expenses, July .....	.95
17	Charles H. Perry	Salary and expenses, July	171.05
17	Mo. Conklin	do	89.45
17	W. S. Devoe	Office expenses, July	9.80
17	Knickerbocker	Ice	1.69
17	Wm. B. Wernitz	Salary and expenses, July	159.90
17	A. D. Melvin	Office expenses, July	40.79
17	Adams Express Co.	Expressage on tags	40.95
17	E. A. Clapp	Office rent, East St. Louis, July	10.00
17	E. C. Matheny	Salary for July	101.10
17	James Irwin	do	153.15
17	Edward T. Jenkins	Office rent, Brooklyn, July	45.00
17	J. B. C. Phillips	Stable rent, Brooklyn, July	5.00
17	Ed R. Allen	Office expenses, July	2.45
17	do	Salary and expenses, July	136.65
17	Joseph Hawkins	Salary, July	117.90
17	G. A. Johnson	Office expenses, July	3.35
17	O. L. Boor	do	18.13
17	G. W. Tourtellot	Rent, Kansas City, Kans., July	50.00
17	Charlotte Brandt	Labor	8.00
17	Troy Laundry Co.	Toilet supplies, July	4.50
17	H. S. Reed	Subscription, Western Resources	2.00
17	Charles Cowie	Services and expenses, July 17	5.66
17	Dr. N. Jewett	Salary for July	101.10
17	D. R. Alton	do	101.10
17	R. S. Montgomery	Salary and expenses, July	117.40
17	Edward Story	Salary for July	134.80
17	T. L. Armstrong	do	151.60
17	Samuel H. Pierce	Salary and expenses, July	164.80
17	W. Judson Smith	do	260.00
17	D. Cumming	Services, July 19, 20, 21	15.00
17	W. B. Moses & Sons	Bookcase, repairs, etc	37.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 20	B. A. Pierce	Salary and expenses, July	\$135.80
20	Chas. O. Brockway	Hog pinchers	5.00
20	Watson Pickrell	Salary and expenses, July	295.30
20	Howard Rhoads	do	150.80
20	Albert Dean	Salary for July	168.50
20	William D. Jorden	Salary and expenses, July	159.35
20	B. L. Stine	do	119.65
20	D. M. Ward	Salary for July	117.90
20	Joseph Bruser	do	117.90
20	Perry Hodgden	do	101.10
20	J. C. Lambdin	do	101.10
20	W. S. Wade	do	101.10
20	City Towel and Linen Co.	Towels, July	2.25
20	D. H. Huston	Scissors, etc.	5.35
20	L. J. Carpenter	Hire horse and buggy, July	40.00
20	J. T. Claris	Salary and expenses, July	201.42
20	do	Office rent, Buffalo, N. Y., July	10.00
20	J. A. Dodge	Salary and expenses, July	151.14
20	Henry B. Ambler	do	157.68
20	W. R. Whittingham	Stock	50.00
20	Noah Draper	Hay	13.92
20	United States Express Co.	Transportation	3.35
23	F. L. Russell	Services and expenses, July	97.05
23	Anderson M. Hunter	Salary for July	117.90
23	John B. Veleair	One head of cattle	12.00
23	Henry Gaither	Repairing cattle tagging	9.93
23	Frank A. Shipley	Leather boxes and belts	7.50
23	Gaylord H. Brown	Salary	3.26
23	James Wilson	Drayage	1.00
24	S. Stewart	Salary and expenses, July	156.65
24	Chas. E. Collins	do	141.45
24	M. L. Potter	Gasoline	5.85
25	A. R. Robertson	Towels, etc., July, Brooklyn, N. Y.	3.50
25	do	Salary and expenses, July	264.07
25	Charles B. Mickener	Expenses in August	56.95
25	D. E. Salmon	Expenses in July and August, Chicago	40.15
25	do	Expenses in August	24.55
26	The Journal of Comparative Medical and Veterinary Ar- chives	Subscription to June 30, 1893	3.00
27	Frank H. Miller	Salary and expenses, July	26.25
27	Doane Brothers	Lumber	13.20
30	Joseph Nash	Cattle	64.50
31	D. E. Salmon <i>et al.</i>	Salaries for August	4,555.30
31	G. W. Ward	Salary and expenses, July	157.35
31	John Minto	Salary, July	117.90
Sept. 1	E. A. Schweinitz	Traveling expenses, July	55.73
1	Allen C. Wood	Painting and varnishing	16.00
2	H. J. Ruppert	Land rent, Bennings Road, August	41.66
5	Chicago and Northwestern Rwy. Co.	Transportation in July	3.92
5	Ohio and Mississippi Rwy. Co.	do	7.80
5	do	do	7.80
5	B. Westerman & Co.	Foreign publications	13.13
5	Frederick H. Gage <i>et al.</i>	Salaries for August	580.90
5	Julius Huelson <i>et al.</i>	do	755.00
5	George Carter <i>et al.</i>	do	785.90
5	Edwin W. Pool <i>et al.</i>	do	834.70
5	John Michels <i>et al.</i>	do	878.80
5	O. W. Green <i>et al.</i>	do	498.25
5	Edward Devoe <i>et al.</i>	do	656.80
5	Geo. Ryneal, jr.	Glass	3.85
5	Washington Gaslight Co.	Gas for August	12.75
5	Wyckoff, Seamans & Benedict ..	Remodeling typewriter	35.00
5	J. Baumgarten & Son	Badges	117.00
6	W. H. Rose	Salary for August	210.60
6	do	Towels, etc.	3.00
6	Henry Brister	Salary and expenses for August	151.94
6	Henry S. Vanderhoff	do	148.44
6	Jas. P. McEnaney	Salary for August	101.10
6	William Foley	Salary and expenses for August	96.70
6	James Flannery	do	95.38
6	Geo. Cornish	do	93.62
6	Hiram Jerome	do	92.64
6	Joseph Jarvis	do	90.08
6	James Russell	do	89.03
6	James Stikeman	Office rent, August, New York City	45.83
6	The Metropolitan Telephone and Telegraph Co.	Rent of telephone, etc	23.35

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 6	Alvord H. Rose.....	Expenses in August.....	\$45.00
6	do.....	Towels, etc., Boston, Mass.....	3.00
6	William H. Way.....	Salary and expenses, August.....	122.72
6	Thomas Coyle.....	Salary for August.....	99.68
6	Eugene R. Hendling.....	do.....	84.20
6	John Shannon.....	Salary and expenses, August.....	67.82
6	George H. Oliver.....	do.....	66.86
6	Lewil D. Bullard.....	do.....	66.14
6	Luther Holton.....	do.....	63.98
6	New England Telephone and Telegraph Co.....	Rent of telephone, August.....	10.00
6	Francis Doane & Co.....	Chamois skin, etc.....	5.25
6	Isaac L. Ball.....	Salary for August.....	84.20
6	Robert Fisher.....	Salary and expenses, August.....	82.96
6	James A. Cunningham.....	do.....	82.96
6	James Boyd.....	do.....	82.96
6	Frederick Gross.....	do.....	83.40
6	David Holland.....	do.....	82.00
6	Alex. Yearley & Son.....	Office rent, August, Baltimore.....	10.00
7	Davenport Fisher <i>et al</i>	Salaries for August.....	1,117.40
7	H. L. Hewetson <i>et al</i>	do.....	1,178.40
7	James Wilson <i>et al</i>	do.....	1,293.70
7	Dighton Granger <i>et al</i>	do.....	1,010.27
7	Charles W. Stiles <i>et al</i>	Salary and expenses, August.....	54.23
8	Norman R. Adams <i>et al</i>	Salaries for August.....	742.00
8	Albert Burger <i>et al</i>	do.....	2,567.75
8	F. H. Bernard <i>et al</i>	do.....	2,719.71
9	Lake Gas Co.....	Gas for August, Chicago.....	1.75
9	Geo. S. Baker <i>et al</i>	Salaries for August, Chicago.....	2,524.40
9	John W. Martin <i>et al</i>	do.....	120.00
9	James H. Logan <i>et al</i>	do.....	390.60
9	Elmer E. Hoover <i>et al</i>	do.....	131.10
9	Mary E. Price <i>et al</i>	do.....	262.60
9	G. A. Johnson <i>et al</i>	do.....	239.10
9	Amelia Barthels <i>et al</i>	do.....	253.50
9	James Treneman <i>et al</i>	do.....	378.00
9	W. P. Cutler <i>et al</i>	do.....	461.40
9	John Forbes <i>et al</i>	do.....	638.30
9	Wm. Somerville, jr., <i>et al</i>	do.....	738.28
9	S. W. McGrew <i>et al</i>	do.....	804.30
10	O. L. Boor <i>et al</i>	do.....	688.36
10	D. R. Krehbiel <i>et al</i>	do.....	1,559.62
10	Floy McEwen <i>et al</i>	do.....	2,740.65
10	A. K. Robertson.....	Office expenses, August, Brooklyn.....	3.85
10	J. B. C. Phillips.....	Rent of stable, August, Brooklyn.....	5.00
10	Chas. A. Farshee.....	Binding reports, etc.....	5.70
10	Edward T. Jenkins.....	Office rent, August.....	45.00
10	Chester H. Bliss.....	Salary and expenses for August.....	85.14
10	Cornelius Vosburgh.....	do.....	87.82
10	William J. Taylor.....	do.....	87.92
10	John Mesick.....	do.....	89.72
10	John W. S. Ortiz.....	do.....	90.77
10	Samuel Jarvis.....	do.....	91.97
10	John H. Eadie.....	do.....	92.42
10	Charles E. Grogan.....	do.....	93.07
10	Frank Hallenbeck.....	do.....	93.08
10	James Smith.....	do.....	96.62
10	J. Sumner Sargent.....	do.....	114.20
10	Claude D. Morris.....	do.....	136.49
10	W. J. Watt.....	Services and expenses, August.....	175.27
10	F. L. Kilborne.....	Expenses, August.....	29.48
12	J. H. Brierly <i>et al</i>	Salaries for August.....	1,909.75
12	Emily Lucas.....	Services for August.....	3.50
12	A. W. Clement.....	Salary and expenses, August.....	176.00
12	Geo. C. Paville.....	do.....	262.89
12	George Fick.....	Rent storage rooms, August.....	6.00
12	Wood & Van Zant, G. A.....	Rent of room, August.....	20.83
12	John Medole & Son.....	Inspectors' reports, etc.....	30.05
12	F. H. Spengeman.....	Office rent, August.....	59.00
12	Mo. Conklin.....	Salary and expenses, August.....	89.85
12	James Cassey.....	do.....	91.47
12	Melvin Doremus.....	do.....	120.45
12	Thos. Grozer.....	do.....	120.45
12	Ira C. Kilburn.....	do.....	123.45
12	Richard Kay.....	do.....	157.25
12	W. W. Curry.....	do.....	162.90
12	H. W. Rowland.....	do.....	162.90
12	J. N. Wittpenn.....	do.....	163.15
12	Henry W. Eliot.....	do.....	163.15

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 12	Theo. De Clyne	Salary and expenses, August	\$163.15
12	Werner Runge	do	166.45
12	W. H. Cooper	do	171.63
12	James A. Walrath	do	213.50
12	J. W. Hawk	do	217.60
12	American Railway Supply Co	Cattle tags	18.75
13	John F. Talbert	One horse, experimental purposes	10.00
13	Catharine Potee	Hire of horses, August	20.00
13	Alfred Burnett	Labor, 27 days, August	40.50
13	R. Sears	Salary in August	134.80
13	Chas. W. Petty	Services and expenses, August	73.01
13	John W. Scott <i>et al</i>	Salaries, August	1,136.13
13	The Kolzenberg Co.	Varnish brushes, etc	5.40
13	Mrs. J. R. O'Connor	Rent of stable	10.00
13	Chicago Telephone Co	Telephone service, August	10.42
13	C. H. Crosby	Feed	26.25
13	William H. Bogart	Salary and expenses, August	122.82
13	A. D. Melvin	Office expenses, August	60.90
13	do	Services and expenses, August	309.25
14	Wm. B. Werntz	Salary and expenses, August	151.27
14	Wm. B. E. Miller	Office expenses, August	3.00
14	do	Salary and expenses, August	205.85
14	B. A. Pierce	do	136.30
14	Samuel H. Pierce	do	164.80
14	Samuel W. Campbell	do	167.72
14	Wilson F. Braden	Salary for August	84.20
14	Robert W. Ardary	do	117.90
14	Alexandrina Dick	Services, August	5.00
14	John Broderick	Office rent, August	16.00
14	J. H. Ferster	Salary and expenses, August	122.47
14	R. W. Hickman	do	294.12
14	W. A. Willard	do	124.07
14	Luther Poland	Salary for August	101.10
14	J. M. Wardlaw	do	134.80
14	E. C. Matheny	do	101.10
14	Thomas W. Oshel	do	101.10
14	Benj. B. Mullen	Salary and expenses, August	121.80
14	W. H. Pendry	do	197.47
14	A. K. Robertson	do	274.13
14	Guy A. Adams	do	72.62
14	John N. Lester	do	82.82
14	James Welch	do	88.32
14	C. P. Vandenberg	do	89.72
14	David Parker	do	147.90
14	J. T. Cunniff	Salary, Aug. 18 to 31	27.39
14	Ed. R. Allen	Office expenses, August	3.45
14	do	Salary and expenses, August	137.05
14	Beattie & Son	Stencil, etc	3.35
14	Strong, Cobb & Co	Shellac, etc	3.65
14	H. G. Pyle	Salary and expenses for August	181.54
14	Bausch & Lomb Optical Co	Repairing microscope	.60
14	G. A. Johnson	Drayage	1.00
14	Julius Huelson	Office expenses, August	2.45
14	Troy Laundry Co	Toilet supplies	4.50
14	Charlotte Brandt	Cleaning boxes	8.00
14	O. L. Boor	Pens, etc	10.85
14	Charles Cowie	Services and expenses, 4 days in August	21.06
14	M. S. Young	Services, Aug. 12 to 26	40.00
14	George Sinclair	Salary for August	60.60
14	D. Cumming	Services for 18 days, August	90.00
14	Charles A. Wilcox	Salary in August	101.10
14	De N. Jewett	do	101.10
14	D. R. Alton	do	101.10
14	A. R. Kennedy	do	117.90
14	Edward Story	do	134.80
14	H. A. Heath	do	134.80
14	S. Stewart	Salary and expenses, August	154.30
14	J. F. Ryder	do	281.60
14	W. H. Wray	do	441.48
14	Rand. McNally & Co	Stationery, etc	13.95
14	Hynes Bros	Screens	17.50
14	Oxley & Wilson Manufactur- ing Co.	Labeling compound	25.50
14	Lizzie G. McGlasson	Salary for August	50.50
14	John B. Sine	Salary and expenses, August	146.10
14	W. S. Wade	Salary for August	101.10
14	Perry Hodgden	do	101.10
14	J. C. Lambdin	do	101.10
14	Joseph Bruser	do	117.90

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 14	Anderson M. Hunter	Salary for August	\$117. 90
14	D. M. Ward	do	117. 90
14	Albert Dean	do	168. 50
14	The New York and New Jersey Telephone Co.	Telephone rent, August, Jersey City	19. 35
14	E. Wohlge'muth	Slaughter of cattle	20. 00
14	Washburn Brothers Co.	Lime	92. 00
14	B. S. Watson	Salary and expenses, August	103. 85
14	W. S. Devoe	Office expenses for August	6. 10
14	do	Miscellaneous expenses for August	51. 20
14	do	Salary for August	308. 30
14	W. B. Morton	Ice for July	2. 20
14	John Warrack	Hauling	2. 00
14	D. Cameron	Paste	3. 00
14	J. A. Doe	Ice	2. 25
14	do	Electricity, August	3. 00
14	A. H. Morroy	Repairing, etc	5. 95
14	Festner Printing Co.	Blank books	9. 00
14	D. H. Huston	Hardware, etc	18. 75
14	C. A. Melcher	Varnish, etc	30. 80
14	L. J. Carpenter	Hire of horse and buggy, August	40. 00
14	Packers' National Bank	Rent of rooms, August	42. 00
14	George H. Graham	Salary for August	134. 80
14	George C. Faville	Office expenses, August	3. 75
14	Annie L. Richards, Admx	Office rent, August, Boston	40. 00
14	John W. Hitchings	Salary and expenses, August	88. 54
15	The United States Electric Lighting Co.	Electricity, July	24. 00
15	Church & Stephenson	Lumber	14. 44
15	Geo. W. Talbert	Cabbage	11. 52
15	do	do	18. 20
15	Pennsylvania R. R. Co.	Transportation	49. 00
15	N. H. Paaren	Salary and expenses, August	250. 05
15	Victor A. Nørgaard	do	148. 05
15	James E. Drom	do	131. 15
15	J. T. Claris	do	213. 44
15	do	Office rent, Buffalo, N. Y	10. 00
15	Thomas McGrath	Slaughtered cattle	15. 00
15	American Railway Supply Co.	Tags	75. 00
15	Charles E. Gragg	Salary and expenses, August	136. 15
16	Knickerbocker Ice Co.	Ice, August	1. 76
16	R. S. Montgomery	Salary and expenses, August	116. 38
16	Joseph Hawkins	Salary for August	117. 90
16	Edward Morris	Office rent, Chicago, August	133. 33
16	F. E. Parsons	Salary and expenses, August	207. 77
16	Henry B. Ambler	do	207. 85
16	Watson Pickrell	do	377. 97
16	Adams Express Co.	Transportation, July	19. 50
17	Photo-Engraving Co.	Plates, etc	12. 05
17	E. Ellis Williams	Cattle ticks	22. 00
17	S. A. Johnson	One case scientific apparatus	15. 80
17	David Pifferling	Slaughtered cattle	115. 00
19	Geo. W. Knox Express	Freight	70
19	The Oxley & Wilson Manufac- turing Co.	Labeling compound	2. 50
19	Frederick Printing and Sta- tionery Co.	Memorandum books, etc	3. 60
19	L. A. Waters	Paste	4. 00
19	Spencer & Smith	Microscope	12. 00
19	Charles F. Nesbit	Salary and expenses, August	122. 55
19	J. H. Phelan	do	114. 45
19	Charles H. Perry	Salary for August	134. 80
19	Office Toilet Supply Co.	Toilet supplies, August	6. 00
19	Wm. Boss	Hay	7. 04
19	Julius Heineman	Fitting compressors, etc	125. 25
19	Alembert W. Brayton <i>et al.</i>	Salaries for August	174. 98
21	Theobald Smith	Sundry expenses in laboratory	2. 21
22	John A. Bell	Services and expenses, 4 days in August	38. 72
22	Millie Martin	Salary for August	50. 50
22	T. L. Armstrong	Salary and expenses for August	153. 55
22	F. L. Russell	do	252. 17
23	B. L. Stine	do	180. 35
27	A. E. Foote	Book	3. 24
28	Davenport Fisher	Office expenses, August	1. 20
28	H. G. Pyle	do	3. 46
28	Liepsner & Mathews	Stamps and repairs	4. 25
28	Bay State Clean Towel Fur- nishing Co.	Towel supply, August	6. 00
28	Samuel W. Johnson	Slaughtered cattle	10. 00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 28	Wm. Somerville, jr.	Office expenses, August.	\$11. 19
28	Geo. B. Richards.	Bill-poster tacks.	12. 50
28	The Metropolitan Telephone and Telegraph Co.	Telephone rent, New York City, August. .	22. 10
28	Mayer Goldsmith.	Slaughtered cattle.	75. 00
28	Chas. E. Collins.	Salary and expenses, August.	144. 20
28	Howard Rhoads.	do.	175. 85
28	William D. Jordan.	do.	233. 38
28	Z. D. Gilman.	Compressors and boxes.	18. 50
28	W. M. Galt & Co.	Feed, August.	99. 00
30	W. Judson Smith.	Salary for August.	270. 00
30	John Minto.	do.	117. 90
30	Frank H. Miller.	Salary and expenses, August.	110. 00
30	R. R. Day.	Stove, etc.	20. 80
30	E. A. Clapp.	Office rent, St. Louis, August.	10. 00
30	United States Express Co.	Transportation.	16. 55
30	Charles Truax Greene & Co.	Chemicals, etc.	107. 87
30	G. W. Tourtellot.	Office rent, Kansas City, August.	50. 00
30	Robert Kieth.	Antique chairs.	7. 50
30	Charles E. Gragg.	Office expenses, August.	1. 50
30	F. O. Walcker.	Brooms, tacks, etc.	24. 80
30	Chicago and Northwestern Co.	Transportation.	8. 91
30	F. L. Kilborne.	Traveling expenses.	42. 70
30	D. E. Salmon.	do.	20. 25
30	D. E. Salmon <i>et al</i>	Salaries for September.	4, 325. 28
30	Wm. S. Canatsey.	Salary, Sept. 12 to 30, 1892.	37. 17
	First quarter—salaries and expenses.		113, 493. 73
	First quarter—swine plague.		1, 459. 50
	First quarter—rent of labora- tory.		200. 00
	Total first quarter.		115, 153. 23
Oct. 3	J. A. Dodge.	Salary and expenses, August.	147. 95
3	G. W. Ward.	do.	178. 40
3	Adams Express Co.	Transportation, August.	27. 10
3	Geo. W. Knox Express.	Freight charges, August.	2. 77
5	B. Westermann & Co.	Foreign publications.	37. 05
6	Geo. C. Faville.	Office expenses, September.	2. 04
6	Emily Lucas.	Services as janitress, September.	3. 50
6	Alex. Yearley & Son.	Office rent, Baltimore, September.	10. 00
6	David Hoiland.	Salary and expenses, September.	79. 40
6	James Boyd.	do.	80. 30
6	James A. Cunningham.	do.	80. 36
6	Robert Fisher.	do.	80. 30
6	Isaac L. Ball.	Salary for September.	81. 60
6	Frederick Gross.	Salary and expenses, September.	81. 50
6	Edward Devoe <i>et al</i>	Salary for September.	636. 40
6	Julius Huelsen <i>et al</i>	do.	714. 00
6	Norman R. Adams <i>et al</i>	do.	762. 00
6	George Carter <i>et al</i>	do.	830. 70
7	D. R. Krehbiel <i>et al</i>	do.	1, 584. 20
7	O. W. Green <i>et al</i>	do.	482. 50
7	Alburt Burger <i>et al</i>	do.	2, 475. 70
7	Geo. S. Baker <i>et al</i>	do.	2, 491. 28
7	F. H. Bernard <i>et al</i>	do.	2, 712. 24
7	Ellen T. Keane.	Rent, Geiers Woods, July 1 to Sept. 30.	75. 00
7	H. J. Ruppert.	Land rent, September.	41. 66
7	Washington Gaslight Co.	Gas for September.	13. 50
7	John W. Martin <i>et al</i>	Labor, September.	96. 00
8	Dighton Granger <i>et al</i>	Salaries, September.	1, 037. 76
8	George C. Faville.	Salary and expenses, September.	246. 60
8	Thomas McDermott.	Salary and expenses, Sept. 16 to 30.	32. 85
8	Charles W. Petty.	Salary and expenses, September.	67. 47
8	James Russell.	do.	84. 32
8	Joseph Jarvis.	do.	84. 32
8	George Cornish.	do.	83. 34
8	Hiram Jerome.	do.	89. 68
8	James Flannery.	do.	91. 88
8	William Foley.	do.	92. 90
8	Jos. P. McEnaney.	Salary for September.	97. 80
8	Henry S. Vanderhoff.	Salary and expenses, September.	144. 13
8	Henry Brister.	do.	149. 43
8	William J. Watt.	do.	159. 46
8	W. H. Rose.	Office expenses, September.	8. 00
8	do.	Salary for September.	203. 80
8	Julius Huelsen.	Office expenses, September.	2. 45

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 8	Charles Hass	Slaughtered cattle	\$25.00
8	Meyer Brothers Drug Co	Varnish, etc.	39.04
8	D. R. Alton	Salary for September	97.80
8	Amelia Barthels <i>et al</i>	Salaries for September	343.00
8	James H. Logan <i>et al</i>	do.	378.80
8	W. P. Cutler <i>et al</i>	do.	447.20
8	John Michels <i>et al</i>	do.	834.38
8	H. G. Pyle <i>et al</i>	do.	924.80
8	Davenport Fisher <i>et al</i>	do.	1,115.50
8	H. L. Hewetson <i>et al</i>	do.	1,143.20
10	C. J. Sihier <i>et al</i>	do.	1,795.67
10	Lake Gas Co	Gas for September, Chicago	4.50
10	Chesapeake and Potomac Telephone Co.	Telephone rent, July 1 to Sept. 30	84.73
10	Capitol, North O Street and South Washington Rwy. Co.	Car tickets	12.50
10	Bausch & Lomb Optical Co	Eye-piece, etc.	17.25
11	G. A. Johnson <i>et al</i>	Salaries for September	231.80
11	Mary E. Price <i>et al</i>	do.	254.80
11	James Treneman <i>et al</i>	do.	351.60
11	Frederick H. Gage <i>et al</i>	do.	571.70
11	John Forbes <i>et al</i>	do.	664.40
11	S. W. McGrew <i>et al</i>	do.	757.60
11	O. L. Boor <i>et al</i>	do.	796.60
11	Wm. Somerville, jr., <i>et al</i>	do.	986.91
11	James Wilson <i>et al</i>	do.	1,278.60
11	Floy McEwen <i>et al</i>	do.	2,709.24
11	Charles A. Forshew	Permit pads	3.50
11	J. B. C. Phillips	Storage, Brooklyn, September	5.00
11	The New York and New Jersey Telephone Co.	Telephone rent, July 1 to Sept. 30, Brooklyn.	40.35
11	Edward T. Jenkins	Office rent, September, Brooklyn	45.00
11	John Mesick	Salary and expenses, September	86.92
11	Samuel Jarvis	do.	87.57
11	Cornelius S. Vosburgh	do.	87.92
11	Chester H. Bliss	do.	88.48
11	John W. S. Ortiz	do.	88.62
11	John H. Eadie	do.	89.52
11	Frank Hallenbeck	do.	89.88
11	Charles E. Grogan	do.	90.62
11	James Smith	do.	93.67
11	J. Sumner Sargent	do.	111.60
11	Benjamin B. Mullen	do.	115.07
11	Claude D. Morris	do.	127.58
11	Charles H. Perry	do.	133.52
11	W. H. Pendry	do.	188.82
11	American Ice Co	Coal	40.71
11	Alembert W. Brayton <i>et al</i>	Salaries for September	537.80
11	John W. Scott <i>et al</i>	do.	1,043.21
11	Wm. B. Wertz	Salary and expenses, September	153.57
12	John M. Williams	Hauling	.25
12	The Bell Telephone Co. of Philadelphia.	Telephone rent, July 1 to Sept. 30	30.00
13	James Strikeman	Office rent, New York City, September	45.83
13	Chesapeake and Potomac Telephone Co.	Telephone rent, July 1 to Sept. 30, Baltimore.	25.00
13	Charles F. Nesbit	Salary and expenses, September	110.50
13	A. W. Clement	do.	173.25
13	The Kotzenberg Co	Chemicals, etc.	2.30
13	M. L. Potter	Gasoline	6.50
13	Mitchell Brothers	Coal and wood	8.25
13	John Trapp	Hay	9.50
13	Chicago Telephone Co	Telephone rent, Chicago, September	10.42
13	C. H. Crosby	Feed	22.30
13	Wm. Knecken & Co.	Coal	81.00
13	William H. Bogart	Salary and expenses, September	119.62
13	Edward Morris	Office rent, Chicago, September	133.33
13	James E. Drom	Salary and expenses, September	140.45
13	John B. Sine	do.	142.80
13	Victor A. Nørgaard	do.	153.65
13	A. D. Melvin	Office expenses, September	97.92
13	do.	Salary and expenses, September	303.25
13	The Bay State Clean Towel Furnishing Co.	Towel supply, September	6.00
13	New England Telephone and Telegraph Co.	Telephone rent, Boston, September	10.00
13	Annie L. Richards, administratrix.	Office rent, Boston, September	40.00
13	Lervil L. Bullard	Salary and expenses, September	62.66

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 13	John Shannon	Salary and expenses, September	\$62.90
13	Luther Holton	do.	63.14
13	George H. Oliver	do.	63.38
13	Eugene R. Hendley	Salary for September	81.60
13	John W. Hitchings	Salary and expenses, September	87.14
13	Thomas Coyle	do.	99.10
13	William H. Way	do.	118.78
13	Alvord H. Rose	Office expenses, September	3.00
13	do.	Use of horse and carriage, September	45.00
13	Charles Truax Greene & Co.	Potash, etc.	391.33
13	Wilson F. Braden	Salary for September	81.60
13	Robt. W. Ardary	Car fare, etc., July.	1.90
13	do.	Salary for September	114.20
13	Samuel W. Campbell	Salary and expenses, September	143.31
13	Samuel H. Pierce	do.	160.40
13	B. A. Pierce	do.	175.40
13	W. A. Willard	do.	120.17
13	J. H. Ferster	do.	116.82
13	R. W. Hickman	do.	208.02
13	John N. Lester	do.	77.02
13	O. P. Vandenberg	do.	86.12
13	James Welch	do.	86.12
13	David Parker	do.	144.20
13	Elmer E. Hoover <i>et al</i>	Salaries, September	132.57
13	George Fick	Storage, Jersey City, September	6.00
13	Wood & Van Sant, G. A.	Office rent, Newark, September	20.83
13	The New York and New Jersey Telephone Co.	Telephone rent, Brooklyn, September	24.40
13	John Medole & Son	Stationery	32.08
13	F. H. Spengeman	Office rent, Jersey City, September	50.00
13	James Cassey	Salary and expenses, September	88.35
13	B. S. Watson	do.	115.05
13	Melvin Doremus	do.	117.85
13	Ira C. Kilburn	do.	119.15
13	J. H. Phelan	do.	126.85
13	Thos. Crozer	do.	128.80
13	Richard Kay	do.	152.25
13	W. W. Curry	do.	159.20
13	H. W. Rowland	do.	159.20
13	J. N. Wittpenn	do.	159.45
13	Theo. De Clyne	do.	159.45
13	Werner Runge	do.	162.15
13	Henry W. Eliot	do.	170.40
13	W. H. Cooper	do.	203.93
13	James A. Walrath	do.	208.00
13	J. W. Hawk	do.	230.20
13	W. S. Devoe	Office expenses, September	4.95
13	do.	Miscellaneous expenses, September	81.20
13	do.	Salary and expenses, September	318.06
14	M. L. Young	Salary for September	50.00
14	D. Cumming	do.	60.00
14	J. T. Davis	do.	97.80
14	Chas. A. Wilcox	do.	97.80
14	De N. Jewett	do.	97.80
14	Joseph Hawkins	do.	114.20
14	John S. Meyer	do.	114.20
14	A. R. Kennedy	do.	114.20
14	H. A. Heath	do.	130.40
14	R. Sears	do.	130.40
14	George A. Graham	do.	130.40
14	Edward Story	do.	130.40
14	Henry B. Ambler	Salary and expenses, September	170.45
14	T. L. Armstrong	do.	191.80
14	Davenport Fisher	Office expenses, September	2.25
14	Troy Laundry Co	Toilet supplies, September	4.50
14	E. A. Clapp	Office rent, East St. Louis, September	10.00
14	E. C. Matheny	Salary for September	97.80
14	James Irwin	Salary and expenses, August	151.05
14	do.	Salary and expenses, September	145.80
14	Charlotte Brandt	Cleaning boxes, September	4.00
14	S. Stewart	Salary for September	146.80
14	J. Y. Rode	Stationery	5.80
14	A. C. Fulkerson	Towel supply, August	8.52
14	do.	Towel supply, September	8.52
14	G. W. Tourtellot	Office rent, Kansas City, September	50.00
14	George Sinclair	Salary for September	58.80
14	Charles E. Gragg	Salary and expenses, September	131.65
14	Ed. R. Allen	Office expenses, September	1.80
14	do.	Salary and expenses, September	132.15

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 14	Goodyear Rubber Co., of Kansas City, Mo.	Rubber matting	\$4.42
14	Luther Poland	Salary for September	97.80
14	J. M. Wardlaw	do	130.40
14	Church & Stephenson	Lumber	11.60
14	The United States Electric Lighting Co.	Electric light, September	12.00
14	Alfred Burnett	Labor in September	39.00
14	L. H. Hopkins	Hardware	5.70
15	John A. Bell	Services and expenses, September	17.72
15	Charles Cowie	do	52.12
15	W. Judson Smith	Salary for September	260.00
15	Watson Pickrell	Salary and expenses, September	382.60
15	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation	7.50
15	Pennsylvania Co.	do	50.00
17	W. H. Wray	Salary and expenses, September	444.73
17	J. F. Ryder	do	272.18
17	Rand, McNally & Co.	Mucilage, tags, etc.	15.00
17	William D. Jordan	Salary and expenses, September	205.70
17	Albert Dean	do	176.40
17	Howard Rhoads	do	150.15
17	Chas. E. Collins	do	130.35
17	B. L. Stine	do	115.65
17	D. M. Ward	Salary for September	114.20
17	Joseph Bruser	do	114.20
17	Anderson M. Hunter	do	114.20
17	W. S. Wade	do	97.80
17	Perry Hodgden	do	97.80
17	Guy A. Adams	Salary and expenses, September	79.52
17	J. C. Lambdin	Salary 23 days, September	75.00
17	J. T. Claris	Office expenses, August	3.15
17	do	Office rent, September	10.00
17	Thos. W. Oshel	Salary and expenses, Sept. 19 to 30	55.15
17	do	Salary, Sept. 1 to 18	58.70
17	James Wilson	Office expenses, September	4.90
17	do	Office expenses, August	7.50
17	Packers' National Bank	Office rent, South Omaha, Nebr.	42.00
17	C. A. Melcher	Mucilage, varnish, etc.	35.70
17	D. Cameron	Paste	2.50
17	City Towel and Linen Co.	Towel supply, September	2.25
17	J. A. Doe	Electric light, September	1.90
17	do	Ice, September	2.25
17	A. C. Rayner	Gasoline, etc.	1.40
17	G. W. Ward	Salary and expenses, September	172.85
17	William J. Taylor	do	86.92
17	E. C. Schroeder	Expenses in September	55.00
17	F. O. Walcker	Hardware	54.89
17	Jas. T. Cooke	Stationery	29.75
17	Michael J. Quirk	Expenses in September	19.00
17	R. Sears	Office expenses, August	2.75
17	J. Block	Slaughtered cattle	10.00
17	Perkins, Goodwin & Co.	Bleaching powder	50.56
18	United States Express Co.	Transportation in September	16.45
18	Edw. S. Schmid	Pigeons for experimental purposes	15.00
18	Mr. Conklin	Salary and expenses, September	94.55
18	Washburn Brothers Co.	Lime	40.00
18	John Broderick	Office rent, September	16.00
18	A. C. Rayner	Tacks	15.00
20	F. L. Russell	Salary and expenses, September	270.13
20	Wm. B. E. Miller	Office expenses, September	3.69
20	do	Salary and expenses, September	199.51
20	John Minto	Salary for September	114.20
20	Mrs. J. R. O'Connor	Stable rent, September	10.00
20	Robert W. Ardary	Office expenses, July	6.34
20	Kansas City, St. Joseph and Council Bluffs R. R. Co.	Transportation	5.90
20	Chicago and Northwestern Rwy. Co.	do	7.84
20	Pennsylvania R. R. Co.	do	31.10
20	Denver and Rio Grande R. R. Co.	do	36.75
20	Fremont, Elkhorn and Missouri Valley R. R. Co.	do	39.66
20	R. S. Forbes	Expenses in October	40.25
20	Geo. C. Faville	Salary, Oct. 1 to 15	101.90
22	Denver and Rio Grande R. R. Co.	Transportation	6.00
22	Jas. S. Topham	Telescope bags	4.40

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 22	R. S. Montgomery	Salary and expenses, September	\$110.00
25	Geo. W. Knox Express	Freight charges, August	9.95
25	S. W. McGrew	Office expenses, August and September	7.40
25	M. C. Meaney	Salary, Sept. 1 to 20	39.13
25	Washington Ice Co., Chicago, Ill.	Ice, July 1 to Oct. 18	12.55
25	Yellow Pine Co.	Lumber	15.24
25	J. A. Dodge	Salary and expenses, September	166.18
25	F. E. Parsons	do	194.80
25	J. T. Claris	do	214.70
25	A. K. Robertson	Towels and ice, September	3.50
27	do	Salary and expenses, September	253.92
27	L. H. Schneider's Son.	Meat saw, etc.	3.00
27	Sabiston & Murray	Williams, medicine, etc.	7.00
27	W. M. Galt & Co.	Feed	68.63
27	Chas. R. Talbert	do	68.96
27	City Towel and Linen Co.	Towel supply, South Omaha, August	2.25
27	L. J. Carpenter	Livery, September	40.00
27	Wm. Somerville, jr.	Office expenses, September	3.78
27	Hannibal and St. Joseph R. R. Co.	Freight charges on tags	14.24
27	Lake Shore and Michigan Southern Rwy. Co.	Transportation	20.00
27	Metropolitan Telephone and Telegraph Co.	Telephone rent, New York, September	22.65
28	A. M. Bauer	Repairs to water truck	3.25
31	Ellen T. Keane	Rent "Long Meadows," July 1 to Sept. 30, 1892.	135.00
31	D. E. Salmon <i>et al</i>	Salaries for October	4,410.25
Nov. 1	Bullock & Crenshaw	Apparatus and pipette	16.00
1	D. E. Salmon	Traveling expenses in September	57.00
1	A. M. Farrington	Traveling expenses in August and October	8.55
2	H. J. Ruppert	Rent of ground on Bennings Road	41.66
2	Alfred Burnett	Labor for October	39.00
2	George W. Talbert	Cabbages	23.25
2	do	do	32.40
3	William H. Bogart	Salary and expenses, October	122.94
3	Frank H. Miller	Salary and expenses, September	186.25
3	E. C. Schroeder	Expenses, October	43.00
4	W. P. Cutler <i>et al</i>	Salaries for October	461.40
5	Geo. S. Baker <i>et al</i>	do	2,687.16
5	Albert Burger <i>et al</i>	do	2,600.47
5	F. H. Bernard <i>et al</i>	do	2,885.86
5	O. W. Green <i>et al</i>	Labor, October	498.25
5	Edward Devoe <i>et al</i>	Salaries, October	656.80
5	Frederick H. Gage <i>et al</i>	do	592.90
5	E. A. v. Schweinitz	Traveling expenses	11.75
7	Washington Gaslight Co.	Gas for October	19.50
7	John Michels <i>et al</i>	Salaries for October	878.80
7	Dighton Granger <i>et al</i>	do	1,010.20
7	Davenport Fisher <i>et al</i>	do	1,226.50
7	D. B. Krehbiel <i>et al</i>	do	1,619.25
7	Floy McEwen <i>et al</i>	do	2,745.35
7	C. Becker	Horse blankets, etc.	27.50
7	John W. Martin <i>et al</i>	Labor for October	64.00
8	James H. Logan <i>et al</i>	Salaries for October	390.60
8	Julius Huelsen <i>et al</i>	do	745.00
8	Lake Gas Co., Chicago, Ill.	Gas for October	3.75
8	Norman R. Adams <i>et al</i>	Labor for October	818.00
8	S. W. McGrew <i>et al</i>	Salaries for October	824.44
8	George Carter <i>et al</i>	do	850.90
8	G. A. Johnson <i>et al</i>	do	239.10
8	Amelia Barthels	do	353.50
8	James Treneman <i>et al</i>	do	361.70
8	Mary E. Price <i>et al</i>	do	414.20
8	John Forbes <i>et al</i>	do	688.30
8	O. L. Boor <i>et al</i>	do	821.70
8	Wm. Somerville, jr. <i>et al</i>	do	1,006.80
8	H. L. Hewetson <i>et al</i>	do	1,176.81
8	Adams Express Co.	Transportation	8.10
9	John W. Scott <i>et al</i>	Salaries for October	1,235.40
9	James Wilson <i>et al</i>	do	1,295.70
9	J. H. Brierly <i>et al</i>	do	2,106.80
9	Alembert W. Brayton <i>et al</i>	do	624.10
9	H. G. Pyle <i>et al</i>	do	952.60
9	The Bay State Clean Towel Furnishing Co.	Towel supply, October	7.50
9	New England Telephone and Telegraph Co.	Telephone service, Boston, October	10.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Nov. 9	Annie L. Richards, admx	Office rent, Boston, October	\$40.00
9	Luther Holton	Salary and expenses, October	65.18
9	George H. Oliver	do	66.62
9	Lewis L. Bullard	do	66.66
9	John Shannon	do	67.10
9	Eugene R. Hendley	Salary, October	101.10
9	Thomas Coyle	Salary and expenses, October	101.81
9	William H. Way	do	122.00
9	Alvord H. Rose	Livery, October	45.00
10	Samuel L. Hunt	Labor, October	3.00
10	J. B. C. Phillips	Storage, Brooklyn, October	5.00
10	Edward T. Jenkins	Office rent, Brooklyn, October	45.00
10	William J. Taylor	Salary and expenses, October	89.52
10	John Mesick	do	89.52
10	John W. S. Ortiz	do	89.82
10	Frank Hollenbeck	do	90.13
10	Cornelius Vosburg	do	90.22
10	Samuel Jarvis	do	90.42
10	Chester H. Bliss	do	91.08
10	John H. Eadie	do	92.12
10	Charles E. Grogan	do	92.92
10	James Smith	do	96.22
10	J. Sumner Sargent	do	114.20
10	Benj. B. Mullen	do	119.82
10	Claude D. Morris	do	130.78
10	W. H. Pendry	do	196.02
10	W. S. Devoe	Miscellaneous expenses, October	56.65
10	do	Salary and expenses, October	301.00
10	do	Office expenses, October	4.35
10	Melvin Doremus	Salary and expenses, October	120.45
10	Ira C. Kilburn	do	120.45
10	J. N. Wattpenn	do	163.15
10	Richard Kay	do	157.05
10	R. H. Moore	do	105.45
10	Tho. Crozen	do	120.45
10	B. S. Watson	do	117.45
10	Werner Runge	do	166.15
10	W. W. Curry	do	162.90
10	W. H. Cooper	do	162.90
10	James A. Walrath	do	215.65
10	Theo. De Clyne	do	163.15
10	J. H. Phelan	do	129.45
10	Mo. Conklin	do	94.75
10	James Cassey	do	91.21
10	F. H. Spengeman	Office rent, Jersey City, October	50.00
10	J. W. Hawk	Salary and expenses, October	216.20
10	H. W. Rowland	do	162.90
10	F. C. Farley	Slaughtered cattle	30.00
10	Geo. Bauer	do	30.00
10	Washburn Brothers Co.	Lime	40.00
10	Joseph A. Bogardus	Nippers and hog ringers	6.63
10	John Medloe & Son	Stationery	6.25
10	George Fick	Storage, Jersey City, October	6.00
10	Wood & Van Sant, G. A.	Office rent, Newark, October	20.83
10	The New York and New Jersey Telephone Co.	Teleph. e rent, Jersey City, October	20.20
10	Charles Haas	Slaughtered cattle	15.20
11	W. H. Rose	Salary for October	210.60
11	do	Towel supply, October	1.00
11	Henry Brister	Salary and expenses, October	150.48
11	William J. Watt	do	170.64
11	Henry S. Vanderhoff	do	149.63
11	Jos. P. McEnaney	Salary for October	101.10
11	William Foley	Salary and expenses, October	94.94
11	James Siskeman	Office rent, New York City, October	45.83
11	Chas. W. Petty	Salary and expenses, October	67.36
11	James Russell	do	87.18
11	Thomas McDermott	do	67.82
11	Hiram Jerome	do	93.18
11	George Cornish	do	88.56
11	Joseph Jarvis	do	87.08
11	Albert Dean	Salary for October	168.50
11	Joseph Bruser	do	117.90
11	W. S. Wade	do	101.10
11	Anderson M. Hunter	do	117.90
11	Perry Hodgden	do	101.10
11	Thomas W. Oshel	Salary and expenses, October	111.15
11	Howard Rhoads	do	154.55
11	O. P. Vandenberg	do	87.52

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Nov. 11	Guy A. Adams.....	Salary and expenses, October.....	\$50.22
11	James Welch.....	do.....	87.62
11	Bausch & Lomb Optical Co.....	Slips, etc.....	22.64
11	B. Westermann & Co.....	Foreign publications.....	20.35
11	Haussmann & Dunn.....	Surgical instruments.....	10.25
11	Z. D. Gilman.....	Bottles, etc.....	42.93
11	C. Becker.....	Bridle, etc.....	12.60
12	Wilson F. Braden.....	Salary for October.....	84.20
12	Robt. W. Ardary.....	Salary and expenses, October.....	121.34
12	S. J. Nelson.....	Coal.....	6.50
12	J. H. Ferster.....	Salary and expenses, October.....	122.47
12	W. A. Willard.....	do.....	123.87
12	R. W. Hickman.....	do.....	214.52
12	E. A. Clapp.....	Office rent, East St. Louis, October.....	10.00
12	E. C. Matheny.....	Salary, October.....	101.10
12	Jas. Irwin.....	Salary and expenses, October.....	154.50
12	Luther Poland.....	Salary for October.....	101.10
12	J. M. Wardlaw.....	do.....	134.80
12	Emily Lucas.....	Services as janitress, October.....	3.50
12	Alex. Gearley & Son.....	Office rent, Baltimore, October.....	10.00
12	Wm. Bahlke & Sons.....	Coal and wood.....	10.50
12	David Holland.....	Salary and expenses, October.....	82.10
12	Robert Fisher.....	do.....	82.96
12	James A. Cunningham.....	do.....	82.96
12	James Boyd.....	do.....	82.96
12	Frederick Gross.....	do.....	84.20
12	Isaac L. Ball.....	Salary for October.....	84.20
12	Geo. C. Faville.....	Salary and expenses, October.....	182.98
12	John Broderick.....	Office rent, New York City, October.....	16.00
14	John C. Parker.....	Record paper.....	36.00
14	Michael J. Quirk.....	Salary and expenses, October.....	94.01
14	The John A. McDonald Paint and Glass Co.....	Varnish.....	7.50
14	E. E. Laird.....	Salary, Oct. 19 to 31.....	25.43
14	Ed. R. Allen.....	Office expenses, October.....	2.15
14	do.....	Salary and expenses, October.....	136.25
14	A. R. Robertson.....	Office expenses, October.....	2.65
14	do.....	Salary and expenses, October.....	255.72
14	Samuel W. Campbell.....	Salary for October.....	134.80
14	Samuel H. Pierce.....	Salary and expenses, October.....	164.80
14	The Office Toilet Supply Co.....	Toilet supply, Chicago, September.....	9.60
14	do.....	Toilet supply, Chicago, October.....	9.60
14	Mrs. J. R. O'Connor.....	Stable rent, Chicago, October.....	10.00
14	Chicago Telephone Co.....	Telephone rent, Chicago, October.....	10.42
14	Henry Korth.....	Hay.....	11.00
14	Atlas Tack Corporation.....	Tacks.....	11.50
14	C. H. Crosby.....	Feed.....	26.50
14	Edward Morris.....	Office rent, Chicago, October.....	133.33
14	John B. Sine.....	Salary and expenses, October.....	146.10
14	Victor A. Norgaard.....	do.....	159.05
14	A. D. Melvin.....	Office expenses, October.....	40.25
14	do.....	Salary and expenses, October.....	301.25
15	Wm. B. E. Miller.....	do.....	201.22
15	do.....	Office expenses, October.....	2.69
15	Wm. B. Wernitz.....	Salary and expenses, October.....	157.27
15	John S. Meyer.....	Salary for October.....	117.90
15	De N. Jewett.....	do.....	101.10
15	H. A. Heath.....	do.....	134.80
15	George H. Graham.....	do.....	134.80
15	F. E. Parsons.....	do.....	151.60
15	Edward Story.....	do.....	134.80
15	Joseph Hawkins.....	do.....	117.90
15	D. Cummings.....	do.....	125.00
15	J. T. Davis.....	do.....	101.10
15	D. R. Alton.....	do.....	101.10
15	Chas. A. Wilcox.....	do.....	101.10
15	T. L. Armstrong.....	Salary and expenses, October.....	196.60
16	F. B. Hamilton.....	Coal.....	4.90
16	R. Sears.....	Salary for October.....	134.80
16	D. N. Ward.....	do.....	117.90
16	B. L. Stine.....	Salary and expenses, October.....	119.55
16	Charles E. Gragg.....	Office expenses, September.....	5.65
16	do.....	Salary and expenses, October.....	136.25
16	A. C. Fulkerson.....	Towel supply, Kansas City, October.....	8.52
16	G. W. Tourtelott.....	Office rent, Kansas City, October.....	50.00
16	John M. Williams.....	Hauling.....	.25
16	Robert Low & Co.....	Grinding glass.....	2.50
16	Ohio and Mississippi Rwy. Co.....	Transportation tags, July.....	7.80
16	do.....	Transportation tags, August.....	11.70

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Nov. 16	E. J. Brooks & Co.	Seals and wires	\$36.25
16	Charles H. Perry	Salary and expenses, October	140.12
16	A. R. Kennedy	Salary for October	117.90
16	Elmer E. Hoover <i>et al</i>	Salaries for October	193.10
16	Frank H. Miller	Salary and expenses for October	121.50
16	Theobald Smith	Sundry expenses in October	2.15
16	D. E. Salmon	Traveling expenses	19.55
17	J. F. Ryder	Salary and expenses for October	282.00
17	W. H. Wray	do	436.52
17	G. A. Johnson	Office expenses, October	.40
17	Julius Huelsen	do	2.45
17	M. L. Potter	Gasoline	3.25
17	Chas. W. Sinclair, admr	Salary, Oct. 1 to 15	29.35
17	James Flannery	Salary and expenses for October	94.18
17	R. S. Montgomery	do	114.13
17	James J. Brougham	Salary and expenses, Oct. 15 to 31	115.41
17	J. A. Dodge	Salary and expenses for October	163.37
17	Henry B. Ambler	Salary and expenses, October	175.25
17	A. W. Clement	do	190.35
17	Watson Pickrell	do	372.65
17	International Clean Towel Co.	Towel supply, October	5.00
17	J. G. Johnson & Co.	Rubber stamps, etc	17.85
17	J. T. Claris	Office rent, Buffalo, October	10.00
17	do	Salary and expenses, October	221.57
17	John A. Bell	Salary and expenses, Oct. 5 to 21	48.02
17	W. Judson Smith	Salary and expenses, October	318.00
17	City Towel and Linen Co.	Towel supply, October	2.25
17	D. Cameron	Paste	3.00
17	A. C. Raymer	Hammer and tacks	3.17
17	L. J. Carpenter	Livery, October	40.00
17	Packers' National Bank	Office rent, South Omaha, October	42.00
17	C. A. Melcher	Stationery, varnish, etc	45.15
17	Drake Brothers	Varnish, etc	4.35
17	Troy Laundry Co	Toilet supplies, October	4.50
17	Minnis & Martyn	Repairing tank	3.20
17	The United States Electric Lighting Co.	Electric light, October	12.00
17	W. B. Moses & Sons	Tables and chairs	30.50
17	W. M. Galt & Co.	Feed	104.64
17	Chas. R. Talbert	do	255.92
18	S. A. Johnson, collector	Charges on scientific apparatus	1.00
18	F. O. Walker	Stoves, etc	127.55
18	John W. Hitchings	Salary and expenses, October	90.22
18	John N. Lester	do	82.82
18	David Parker	do	147.90
18	G. W. Ward	do	134.25
19	R. W. Hickman	Office expenses, October	1.83
19	Alvord H. Rose	do	4.25
19	Charles F. Nesbit	Salary and expenses, October	118.80
19	James E. Drom	do	144.15
19	Henry W. Elliot	do	163.15
19	Charles B. Michener	Traveling expenses, October and November	101.73
21	Anna Wisczorek	Services as janitress, October	30.00
21	M. L. Young	Salary for 16 days in October	80.00
21	American Railway Supply Co.	Metal tags	75.00
21	do	do	75.00
21	Charles Cowie	Salary and expenses, October	108.98
21	John Minto	Salary for October	117.90
22	William D. Jorden	Salary and expenses, October	175.45
22	W. G. Taylor	Tin signs	3.00
22	Geo. C. Faville	Office expenses, October	3.43
22	Thomas A. McLeland	Salary, Oct. 19 to 31	25.43
22	Elwood V. Davis	Salary and expenses in October	80.63
23	James A. Taylor	Coal	6.50
23	Thomas F. Taylor	do	20.90
23	Robt. W. Ardary	Office expenses, October	3.10
23	John Reynders & Co	Veterinary post mortem case	31.50
23	Chas. E. Collins	Salary and expenses, October	132.50
25	O. L. Boor	Office expenses, October	18.87
29	Asa L. Hazelton	Shoe boxes	1.50
29	Chicago, Milwaukee and St. Paul Rwy. Co.	Transportation	4.99
29	International Clean Towel Co.	Towel supply in August	1.45
29	J. H. Pickrell	Book, volumes 36 and 37	5.75
29	American Railway Supply Co.	Metal tags	18.75
29	Chesapeake and Ohio Rwy. Co.	Transportation	26.80
29	American Railway Supply Co.	Metal tags	37.50
29	A. E. Foote	Books	4.30
29	B. A. Pierce	Salary and expenses, October	181.80

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Nov. 29	Chas. Burgess	Book	\$6.00
29	International Clean Towel Co.	Towel supply, September	5.00
29	Edward Norton	Herd Register	1.00
29	Jno. G. Springer	American Berkshire Records, Vol. 12	5.00
29	Ira K. Alderman	Book	2.50
29	W. H. Morris	Central Poland China Record, Vol. 13	3.00
29	Thos. B. Wales	Holstein-Friesian Herd Book	2.50
29	Geo. Harding	Colswold Record	2.00
29	George Fick <i>et al</i>	Labor, November	1,419.75
30	N. H. Paaren	Salary for September	130.40
30	Theobald Smith	Traveling expenses, November	4.65
30	United States Express Co.	Transportation in October	4.10
30	D. C. Pritchard & Co.	Livery, Chicago, Ill.	10.00
30	D. E. Salmon <i>et al</i>	Salaries for November	4,315.28
Dec. 1	H. J. Ruppert	Rent of land for November, Bennings road.	41.66
1	Chas. W. Hilgard <i>et al</i>	Salaries for October	128.14
1	Davenport Fisher	Office expenses, October	4.40
2	C. R. Thomas	Book	5.00
2	A. P. Vredenburgh	Stud-book, Vol. 8	3.00
2	J. J. Hemingway	Herd Register, Vols. 36, 37, and 38	3.00
2	Chas. F. Mills	Stud-book, Vol. 6	5.00
2	Union Star Line	Transportation car seals, July	2.15
2	The Metropolitan Telephone and Telegraph Co.	Telephone rent, New York, October	22.75
2	E. J. Brooks & Co.	Car seals and wires	145.00
2	do	do	725.00
2	H. H. Rand	Salary in November	15.00
3	O. W. Green <i>et al</i>	Labor, Nov. 1 to 22	346.50
3	Edward Devoe <i>et al</i>	Salaries for November	646.40
3	Julius Huelsen <i>et al</i>	do	714.00
3	George Carter <i>et al</i>	do	753.20
3	John Michels <i>et al</i>	do	909.45
3	Wm. Somerville, jr., <i>et al</i>	do	1,006.40
5	J. A. Doe	Electric light and ice, October	5.15
5	Cincinnati, New Orleans and Texas Pacific Rwy. Co.	Transportation	3.51
5	Elmer E. Hoover <i>et al</i>	Salaries for November	187.80
5	W. P. Cutler <i>et al</i>	do	447.20
5	Floy McEwen <i>et al</i>	do	665.80
5	H. G. Pyle <i>et al</i>	do	963.92
5	New England Telephone and Telegraph Co.	Telephone rent, November	10.00
5	Luther Holton	Salary and expenses, November	64.10
5	Lewis L. Bullard	do	64.82
5	George H. Oliver	do	65.06
5	John Shannon	do	65.30
5	John W. Hitchings	do	87.86
5	Eugene R. Hendley	Salary for November	97.80
5	Thomas Coyle	Salary and expenses, November	101.16
5	William H. Way	do	119.02
5	Alvord H. Rose	Livery, November	45.00
5	James Stikeman	Office rent, November	45.83
5	Chas. W. Petty	Salary and expenses, November	68.34
5	James Russell	do	83.82
5	Joseph Jarvis	do	85.12
5	Geo. Cornish	do	89.08
5	Hiram Jerome	do	89.38
5	James Flannery	do	90.14
5	William Foley	do	92.00
5	Jos. P. McEnaney	Salary for November	114.20
5	Henry S. Vanderhoff	Salary and expenses, November	145.60
5	William J. Watt	do	143.76
5	W. H. Rose	Salary for November	203.80
5	Washington Gaslight Co.	Gas for November	18.75
5	The Missouri Pacific Rwy. Co.	Transportation	5.88
5	Ohio & Mississippi Rwy. Co.	Tags and stamps	19.35
5	Fremont, Elkhorn & Missouri Valley R. R. Co.	Transportation	30.43
5	American Railway Supply Co.	Metal tags	75.00
5	Davenport Fisher <i>et al</i>	Salaries for November	1,193.00
6	John Broderick	Office rent, New York City, November	16.00
6	J. H. Ferster	Salary and expenses, November	117.32
6	W. A. Willard	do	120.07
6	R. W. Hickman	Office expenses, November	1.00
6	do	Salary and expenses, November	210.02
6	William J. Taylor	do	86.92
6	John Mesick	do	86.92
6	Corneilus S. Vosburgh	do	87.52

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 6	John W. S. Ortiz	Salary and expenses, November	\$78.32
6	Samuel Jarvis	do	87.42
6	Frank Hallenbeck	do	87.71
6	Chester H. Bliss	do	88.48
6	John H. Eadie	do	89.52
6	Chas. E. Grogan	do	90.27
6	James Smith	do	92.87
6	Harry W. Kornobis	do	99.52
6	J. Sumner Sargent	do	111.60
6	Benjamin B. Mullen	do	115.62
6	Claude D. Morris	do	128.23
6	W. H. Pendry	do	190.12
7	Lake Gas Co.	Gas, Chicago, November	13.50
7	Norman R. Adams <i>et al.</i>	Labor, November	\$24.00
7	Albert Burger <i>et al.</i>	Salaries, November	2,467.87
7	Geo. S. Baker <i>et al.</i>	do	2,552.20
7	F. H. Bernard <i>et al.</i>	do	3,463.29
8	Amelia Barthels <i>et al.</i>	do	343.00
8	O. L. Boor <i>et al.</i>	do	806.60
8	F. W. Koch & Co.	Stationery	2.45
8	Emily Lucas	Services as janitress, November	3.50
8	Alex. Yearley & Son	Office rent, Baltimore, November	10.00
8	David Holland	Salary and expenses, November	79.50
8	James Boyd	do	80.30
8	James A. Cunningham	do	80.30
8	Robert Fisher	do	80.30
8	Frederick Gross	do	81.50
8	Isaac L. Ball	Salary for November	81.60
8	A. W. Clement	Salary and expenses, November	181.55
8	Geo. C. Faville	Office expenses, November	1.09
8	do	Salary and expenses, November	258.24
8	Geo. W. Knox Express	Freight and drayage, October	17.08
8	Mary E. Price <i>et al.</i>	Salaries for November	257.46
8	J. W. Maddux <i>et al.</i>	do	580.95
8	Alembert W. Brayton <i>et al.</i>	do	607.80
8	John Forbes <i>et al.</i>	do	740.40
8	S. W. McGrew <i>et al.</i>	do	830.51
8	H. L. Hewetson <i>et al.</i>	do	1,159.50
8	Thos. McFarlane	Book	3.00
8	Elmer & Amend	Surgical apparatus	12.15
8	Chas. P. Salisbury	Expenses, Nov. 16 to Dec. 4	105.25
8	do	Expenses, Oct. 17 to Nov. 11	112.50
8	A. Hoen & Co.	Inspection stamps in books	2,500.00
8	Wilson F. Braden <i>et al.</i>	Salaries for November	121.60
9	James H. Logan <i>et al.</i>	do	378.80
9	D. R. Krehbiel <i>et al.</i>	do	1,577.59
9	J. H. Brierly <i>et al.</i>	do	2,156.54
9	John N. Lester	Salary and expenses, November	70.32
9	James Welch	do	85.52
9	O. P. Vandenberg	do	85.52
9	David Parker	do	144.20
9	George Fick	Storage, Jersey City, November	6.00
9	Wood & Van Sant, G. A.	Office rent, Newark, November	20.83
9	Mo. Conklin	Salary and expenses, November	86.65
9	James Cassey	do	87.43
9	Richard Kay	do	152.25
9	W. H. Cooper	do	159.20
9	H. W. Rowland	do	159.20
9	W. W. Curry	do	159.20
9	J. N. Wittpenn	do	159.45
9	J. H. Phelan	do	111.85
9	Werner Runge	do	162.15
9	James A. Walrath	do	208.00
9	H. H. Rand	Expenses, Nov. 26 to 28	30.80
10	James Wilson <i>et al.</i>	Salaries for November	1,282.60
10	John W. Scott <i>et al.</i>	do	1,348.60
10	A. D. Melvin	Salary and expenses, November	315.25
10	William H. Bogart	do	119.50
10	James E. Drom	do	138.45
10	Edward Morris	Office rent, Chicago, November	133.33
10	Victor A. Norgaard	Salary and expenses, November	154.65
10	Wm. Knecken & Co.	Coal	80.83
10	Doane Brothers	Lining for table, etc	50.82
10	C. H. Crosby	Feed	34.15
10	Oxley & Wilson Manufacturing Co.	Labeling compound	28.00
10	A. H. Andrews & Co.	Chairs	18.00
10	Paul Rieser	Hardware	16.93
10	Chicago Telephone Co.	Telephone service, November	10.42

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 10	Mrs. J. R. O'Connor	Rent stable, Chicago, November	\$10.00
10	The Office Toilet Supply Co	Toilet supplies, Chicago, November	9.60
10	Mitchell Brothers	Slabs	7.00
10	Wm. B. E. Miller	Office expenses, November	3.63
10	do	Salary and expenses, November	191.80
10	Wm. B. Wernitz	do	135.57
10	W. M. McFadden	American Poland China Record	2.00
12	Z. D. Gilman	Carbon plates, etc	8.45
12	Adams Express Co	Transportation, October	60.40
12	B. Westermann & Co.	Foreign publications	14.88
13	E. A. Clapp	Office rent, East St. Louis, November	10.00
13	E. C. Matheny	Salary for November	97.80
13	Luther Poland	do	97.80
13	J. M. Wardlaw	do	130.40
13	C. S. Whitney	Coal	11.25
13	Duncan & Masters	Stoves, etc	36.00
13	Davenport Fisher	Office expenses, November	2.40
13	Troy Laundry Co	Toilet supplies, November	4.50
13	Robert Keith	Tables	4.00
13	M. E. Hungerford Coal Co.	Coal	30.00
13	G. W. Tourtellot	Room rent, November	50.00
13	Samuel W. Campbell	Salary and expenses, November	137.46
13	Samuel H. Pierce	do	160.40
13	B. A. Pierce	do	175.80
13	D. M. Ward	Salary, November	114.20
13	Thomas W. Oshel	do	97.80
13	Joseph Bruser	do	114.20
13	Albert Dean	do	163.00
13	Perry Hodgden	do	97.80
13	Anderson M. Hunter	do	114.20
13	Howard Rhoads	do	130.40
13	W. S. Wade	do	97.80
13	B. L. Stine	do	114.20
13	Julius Huelsen	Office expenses, November	2.45
13	The New York, Lake Erie and Western R. R. Co.	Transportation	8.70
13	John A. Bell	Salary and expenses, November	28.92
13	Michael J. Quirk	do	78.09
13	D. Cumming	Salary for November	80.00
13	J. T. Davis	do	97.80
13	De N. Jewett	do	97.80
13	Chas. A. Wilcox	do	97.80
13	D. R. Alton	do	97.80
13	Charles F. Nesbit	Salary and expenses, November	108.15
13	John S. Meyer	Salary, November	114.20
13	Joseph Hawkins	do	114.20
13	J. A. Dodge	Salary and expenses, November	116.35
13	Charles Cowie	do	116.60
13	R. S. Montgomery	do	129.10
13	George H. Graham	Salary for November	130.40
13	H. A. Heath	do	130.40
13	Edward Story	do	130.40
13	Ed. R. Allen	Salary and expenses, November	132.65
13	Henry B. Ambler	do	150.95
13	S. Stewart	do	153.30
13	F. L. Russell	Salary and expenses, October	314.74
14	C. A. Melcher	Varnish, etc	3.60
14	International Clean Towel Co.	Towel supply, November	5.00
14	J. T. Claris	Office rent, Buffalo, N. Y.	10.00
14	O. L. Boor	Office expenses, November	11.10
14	John Bingham	Stationery	11.35
14	Rand. McNally & Co.	Blanks and tags	13.25
14	Elwood V. Davis	Salary and expenses, November	127.93
14	James J. Brougham	do	165.53
14	F. E. Parsons	do	195.30
14	Dighton Granger <i>et al.</i>	Salaries for November	975.89
14	Codman & Shurtleff	Ratchets for microscopes	1.25
14	Bay State Clean Towel Furnishing Co.	Towel supply, November	6.00
14	Francis Doane & Co.	Stationery, etc	6.85
14	Annie L. Richards, administratrix.	Office rent, Boston, November	40.00
14	A. K. Robertson	Office expenses, November	3.95
14	do	Salary and expenses, November	249.92
14	J. B. C. Phillips	Storage, Brooklyn, November	5.00
14	Frank Vanderbilt	Repairs to stove	7.20
14	Edward T. Jenkins	Office rent, Brooklyn, November	45.00
14	Charles H. Perry	Salary and expenses, November	135.72
14	W. S. Devroe	Office expenses, November	2.85

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 14	W. S. Devoe.....	Miscellaneous expenses, November.....	\$29.05
14	do.....	Salary and expenses, November.....	312.75
14	John Medloe & Son.....	Stationery.....	3.90
14	The New York and New Jersey Telephone Co.....	Telephone rent, November.....	19.90
14	Washburn Brothers Co.....	Lime.....	6.00
14	F. H. Spengeman.....	Office rent, Jersey City, November.....	50.00
14	R. H. Moore.....	Salary and expenses, November.....	96.85
14	Thos. Crozer.....	do.....	102.85
14	Melvin Doremus.....	do.....	105.85
14	Theo. De Clyne.....	do.....	159.45
14	J. W. Hawk.....	do.....	210.50
15	The United States Electric Lighting Co.....	Electric light, November.....	12.00
15	Alfred Burnett.....	Labor, November.....	37.50
15	W. H. Wray.....	Salary and expenses, November.....	484.90
15	J. F. Ryder.....	do.....	291.19
15	Frederick H. Gage <i>et al.</i>	Salaries for November.....	575.20
15	R. Sears <i>et al.</i>	do.....	491.78
15	United States Express Co.....	Transportation, November.....	9.90
15	William D. Jordan.....	Salary and expenses, November.....	147.20
15	Chas. E. Collins.....	do.....	110.80
15	Charles E. Gragg.....	Office expenses, November.....	.75
15	Pennsylvania R. R. Co.....	Transportation.....	5.30
16	do.....	do.....	22.50
17	Thomas McDermott.....	Salary and expenses, November.....	67.14
17	G. W. Ward.....	do.....	130.05
17	F. L. Russell.....	do.....	258.04
17	W. Judson Smith.....	do.....	344.00
17	Watson Pickrell.....	do.....	350.72
17	V. A. Moore.....	Expenses Oct. 1 to Nov. 30.....	116.39
19	S. Hoxie.....	Holstein Friesian Register.....	1.50
19	Bingham & Co.....	Hardware.....	6.05
19	George Haw & Co.....	Stove, etc.....	16.50
19	Rand, McNally & Co.....	Stationery.....	32.00
19	F. O. Walcker.....	Tacks, brooms, etc.....	33.31
19	John Minto.....	Salary for November.....	114.20
19	A. R. Kennedy.....	do.....	114.20
19	Ira C. Kilburn.....	Salary and expenses, November.....	111.85
19	B. S. Watson.....	do.....	114.65
19	Henry W. Eliot.....	do.....	159.45
19	A. H. Morrow.....	Repairing locks.....	6.00
19	A. C. Raymer.....	Posting tacks.....	18.75
19	C. A. Melcher.....	Alcohol, varnish, etc.....	19.45
19	L. J. Carpenter.....	Livery, November.....	40.00
19	Packers' National Bank.....	Office rent, South Omaha, November.....	42.00
19	J. T. Claris.....	Salary and expenses, November.....	195.67
21	Nebraska State Journal.....	Subscription, Dec. 1 to 15, 1892.....	.40
21	Alvord H. Rose.....	Office expenses, November.....	3.55
21	S. W. McGrew.....	do.....	4.80
21	Ed. R. Allen.....	do.....	13.85
21	F. & M. Lantenschläger.....	Foreign publications.....	84.32
21	F. L. Kilborne.....	Expenses in November.....	75.25
22	C. E. Springman.....	Cartage, November.....	1.00
22	W. H. Rose.....	Towels, November.....	1.00
22	L. M. Crothers.....	Mexico Record, vols. 1 and 2.....	1.00
22	George A. Miller.....	Salary and expenses in November.....	58.75
22	Henry Brister.....	Salary and expenses, November.....	138.10
23	Robert W. Ardary.....	do.....	117.36
24	L. P. Sisson.....	American Devon Record, vol. 5.....	3.00
24	Theobald Smith.....	Expenses, Dec. 10 to 20.....	37.90
24	E. C. Schroeder.....	do.....	44.21
27	Robt. W. Ardary.....	Office expenses, November.....	1.39
27	A. C. Fulkerson.....	Towel supply, November.....	8.91
27	Charles E. Gragg.....	Salary and expenses, November.....	131.65
27	J. T. Wayne.....	Taking down awning, etc.....	3.25
27	Sharp & Smith.....	Forceps and scissors.....	24.00
27	A. D. Melvin.....	Office expenses, November.....	62.78
27	Union Stock Yard and Transit Co.....	Feed and freight on cattle.....	64.50
27	John B. Sine.....	Salary and expenses, November.....	142.80
27	D. E. Salmon.....	Traveling expenses.....	140.25
30	People's Dispatch Co.....	Freight charges, September.....	33.18
30	Adams Express Co.....	Transportation, November.....	46.05
31	Z. D. Gilman.....	Compressors, etc.....	410.33
31	do.....	Shears, forceps, etc.....	64.35
31	H. H. Rand.....	Salary for December.....	135.00
31	D. E. Salmon.....	Additional compensation, Oct. 1 to Dec. 31.....	250.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 31	F. E. Parsons	Salary and expenses, December	\$238. 60
31	D. E. Salmon <i>et al</i>	Salaries for December	4, 595. 20
	Amount of vouchers in second quarter		176, 811. 05
	Rent of laboratory		300. 00
	Swine plague		1, 434. 25
	Total second quarter		178, 545. 30
1893.			
Jan. 2	Chicago, Northwestern Rwy. Co.	Transportation	29. 58
2	H. G. Pyle	Office expenses, November	1. 80
2	Bausch & Lomb Optical Co	Repairing microscope	3. 50
2	Jacob Klapper	Ice, Oct. 21 to Nov. 30	4. 20
2	John Forbes	Office expenses, November	6. 60
2	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation	10. 95
2	The Metropolitan Telephone and Telegraph Co.	Telephone rent, November	22. 35
2	E. J. Brooks & Co	Car seals and wires	145. 00
2	G. A. Johnson <i>et al</i>	Salaries for November	231. 80
3	H. J. Ruppert	Land rent, Bennings Road, December	41. 66
3	Ellen T. Keane	Land rent, "Giers' Woods," Oct. 1 to Dec. 31	75. 00
3	do	Land rent, "Long Meadows," Oct. 1 to Dec. 31	135. 00
4	Alfred Burnett	Labor, December	40. 50
4	Woodward & Lothrop	Duster and brush	2. 50
4	do	Towels	5. 34
4	Sackett & Wilhelms Lithographic Co.	Plates for Report on Sheep Industry	3, 146. 65
5	Wm. Somerville, jr., <i>et al</i>	Salaries for December	1, 157. 46
5	John Michels <i>et al</i>	do	1, 160. 69
5	H. G. Pyle <i>et al</i>	do	1, 171. 50
6	Lake Gas Co., Chicago, Ill.	Gas for December	12. 25
6	Wm. Bates <i>et al</i>	Labor, December	540. 00
6	Alfred Burger <i>et al</i>	Salaries for December	2, 545. 20
6	F. H. Bernard <i>et al</i>	do	4, 306. 94
7	The Orcutt Co.	Plates of Diseases of Cattle, etc	1, 896. 00
7	Washington Gaslight Co	Gas for December	20. 25
7	G. A. Johnson <i>et al</i>	Salaries for December	239. 10
7	Robt. W. Ardary <i>et al</i>	do	282. 10
7	James Treneman <i>et al</i>	do	412. 20
7	W. P. Cutler <i>et al</i>	do	461. 40
7	John Forbes <i>et al</i>	do	786. 36
7	O. L. Boor <i>et al</i>	do	821. 70
7	Dighton Granger <i>et al</i>	do	1, 040. 20
7	James Wilson <i>et al</i>	do	1, 331. 70
7	J. H. Briarly <i>et al</i>	do	2, 156. 70
7	S. W. McGrew <i>et al</i>	do	842. 30
7	E. J. Brooks & Co	Car seals and wires	290. 00
9	Amelia Barthels <i>et al</i>	Salaries for December	353. 50
9	D. E. Krehbiel <i>et al</i>	do	1, 727. 46
9	Geo. S. Baker <i>et al</i>	do	2, 987. 60
9	E. J. Brooks & Co	Car seals and wires	725. 00
9	Thos. Somerville & Sons	Repairing instruments	3. 80
9	Edward Devoe <i>et al</i>	Salaries for December	666. 80
9	Julius Huelsen <i>et al</i>	do	755. 00
9	George Carter <i>et al</i>	do	818. 40
9	Floy McEwen <i>et al</i>	do	1, 168. 70
10	J. H. Mann	Stationery, etc	3. 03
10	Union Stock Yards and Transit Co.	Office rent, Chicago, December	15. 00
10	Samuel H. Pierce	Salary and expenses, December	164. 80
10	B. A. Pierce	do	179. 80
10	Union Stock Yards and Transit Co.	Freight charges, etc	15. 00
10	J. W. Taylor	Photographing cattle	25. 00
10	Hicks & Carrol	Kalsomining	50. 00
10	William H. Bogart	Salary and expenses, December	123. 11
10	Victor A. Norgaard	do	144. 05
10	James E. Drom	do	145. 15
10	John B. Sine	do	146. 10
10	A. D. Melvin	do	312. 25
10	Julius Heineman	Stages, compressors, etc	328. 50
10	Luther Holton	Salary and expenses, December	65. 66
10	George H. Oliver	do	66. 62
10	Lewis L. Bullard	do	66. 62
10	John Shannon	do	66. 86
10	John W. Hitchings	do	89. 50

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 10	Eugene R. Hendley	Salary for December	\$101.10
10	Thomas Coyle	Salary and expenses, December	104.64
10	William H. Way	do	123.44
10	Alvord H. Rose	Office expenses, December	1.50
10	do	Livery, December	45.00
10	Chesapeake and Potomac Telephone Co.	Telephone rent, Oct. 1 to Dec. 31	85.19
10	John C. Parker	Railroad Guide and letter-copying machine.	63.00
10	John W. S. Ortiz	Salary and expenses, December	88.57
10	John Mesick	do	89.72
10	William J. Taylor	do	89.72
10	Samuel Jarvis	do	90.62
10	Cornelius S. Vosburg	do	90.82
10	Chester H. Bliss	do	91.34
10	John H. Eadie	do	92.42
10	Charles E. Grogan	do	93.62
10	James Smith	do	96.32
10	Harry W. Kornobis	do	106.82
10	J. Sumner Sargent	do	114.20
10	Claude D. Morris	do	132.84
10	W. H. Pendry	do	195.82
10	C. C. Georgeson	Traveling expenses	42.82
10	James Stikeman	Office rent, New York City, December	45.87
10	Chas. W. Petty	Salary and expenses, December	65.47
10	Thomas McDermott	do	69.76
10	Joseph Jarvis	do	87.48
10	James Flannery	do	92.54
10	Geo. Cornish	do	92.80
10	Hiram Jerome	do	93.76
10	William Foley	do	94.04
10	Jos. P. McEnaney	Salary for December	117.90
10	Henry S. Vanderhoff	Salary and expenses, December	143.62
10	William J. Watt	do	143.76
10	Henry Brister	do	153.03
10	W. H. Rose	Office expenses, December	1.00
10	do	Salary for December	210.60
10	Elmer H. Hoover <i>et al</i>	Salaries for December	137.10
11	Alembert W. Brayton <i>et al</i>	do	572.10
11	Lucy M. Armstrong <i>et al</i>	do	284.88
11	Mary E. Price <i>et al</i>	do	255.97
11	James H. Logan <i>et al</i>	do	390.60
11	Frederick H. Gage <i>et al</i>	do	592.30
11	James J. Brougham <i>et al</i>	do	909.30
11	John W. Scott <i>et al</i>	do	1,932.20
11	C. A. McCall	Labor, December	10.00
11	Dg. White	do	10.00
11	E. A. Miller	Slaughtered cattle	24.00
11	Howard Wilson	Labeling compound	2.50
11	S. J. Nelson	Coal	7.00
11	John Broderick	Office rent, New York City, December	16.00
11	J. H. Ferster	Salary and expenses, December	120.97
11	R. W. Hickman	do	216.82
11	Chicago, Milwaukee and St. Paul Rwy. Co.	Transportation	2.55
12	The Bell Telephone Co. of Philadelphia.	Telephone rent, Oct. 1 to Dec. 31	30.00
12	Wm. B. Wertz	Salary and expenses, December	136.27
12	Wm. B. E. Miller	Office expenses, December	3.69
12	do	Salary and expenses, December	196.60
12	John N. Lester	do	73.02
12	James Welch	do	88.52
12	O. P. Vandenberg	do	89.72
12	David Parker	do	147.90
12	George Fick	Storage, Jersey City, December	6.00
12	F. H. Spengeman	Office rent, Jersey City, December	50.00
12	B. S. Watson	Salary for December	84.20
12	James Cassey	Salary and expenses, December	89.85
12	Ira C. Kilburn	do	108.45
12	Richard Kay	do	157.25
12	W. H. Cooper	do	162.90
12	H. W. Rowland	do	162.90
12	J. N. Wittpenn	do	163.15
12	Theo. De Clyne	do	163.15
12	Henry W. Elliot	do	163.15
12	W. W. Curry	do	165.80
12	Werner Runge	do	167.65
12	James A. Walrath	do	213.50
12	J. W. Hawk	do	215.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 12	W. S. Devoe	Salary and expenses, December	\$297.70
12	Emily Lucas	Services as janitress, December	3.50
12	Adams Express Co.	Express charges on hog rings	5.20
12	Wm. Bahlke & Sons	Coal and wood	9.25
12	Alex. Yearley & Son	Office rent, Baltimore, December	10.00
12	Chesapeake & Potomac Telephone Co.	Telephone rent, Baltimore	25.00
12	David Holland	Salary and expenses, December	82.00
12	James Boyd	do	82.96
12	Robert Fisher	do	82.96
12	James A. Cunningham	do	82.96
12	Frederick Gross	do	84.00
12	Charles F. Nesbit	do	106.95
12	A. W. Clement	do	173.50
12	Geo. C. Faville	Office expenses, December	2.45
12	do	Salary and expenses, December	227.80
13	Davenport Fisher <i>et al</i>	Salaries for December	1,228.50
13	H. L. Hewetson <i>et al</i>	do	2,452.45
13	Perry Hodgden	Salary for December	101.10
13	Charles E. Collins	do	101.10
13	Thos. W. Oshel	do	101.10
13	W. S. Wade	do	101.10
13	Wm. D. Jordan	Salary and expenses, December	111.35
13	Joseph Bruser	do	117.90
13	Anderson M. Hunter	do	117.90
13	B. L. Stine	do	117.90
13	D. M. Ward	do	117.90
13	Howard Rhoads	do	134.80
13	Albert Dean	do	172.90
13	Luther Poland	Salary for December	101.10
13	J. M. Wardlaw	do	134.80
13	Chas. A. Wilcox	do	101.10
13	De N. Jewett	do	101.10
13	D. R. Alton	do	101.10
13	A. R. Kennedy	do	117.90
13	Jas. Irwin	do	117.90
13	Edward Story	do	134.80
13	H. A. Heath	do	134.80
13	George H. Graham	do	134.80
13	S. Stewart	Salary and expenses, December	211.85
13	E. A. Clapp	Office rent, East St. Louis, December	10.00
13	E. C. Matheny	Salary for December	101.10
13	Jas. Irwin	Salary and expenses, November	145.10
13	T. L. Armstrong	Office expenses, December .....	.25
13	do	Office expenses, November .....	.35
13	do	Salary and expenses, November	191.80
13	do	Salary and expenses, December	196.60
14	G. W. Moss	Steamer ticket, New York to Liverpool	180.00
14	Wm. Somerville, jr	Office expenses, November .....	.60
14	Julius Huelsen	Office expenses, December	4.65
14	O. L. Boor	do	8.95
14	John L. Boland Book and Stationery Co.	Stationery, etc.	2.00
14	do	do	3.35
14	The Oxley & Wilson Manufacturing Co.	Labeling compound	13.50
14	St. Louis National Stock Yards	Office rent, Nov. 11 to 30	33.33
14	do	Office rent, December	50.00
14	Emma Snyder	Services as janitress, December	30.00
14	James J. Brougham	Office expenses, November	40.00
14	Meyer Bros.' Drug Co.	Turpentine and jug	1.80
14	A. C. Fulkerson	Towel supply, December	9.13
14	G. W. Tourtellot	Office rent, Kansas City, December	50.00
14	Charles E. Gragg	Office expenses, December .....	.50
14	do	Salary and expenses, December	136.15
14	Pennsylvania R. R. Co.	Transportation	103.90
14	Vandalia Line	do	3.33
14	B. Westermann & Co.	Foreign publications	50.90
14	Chicago and Northwestern Rwy. Co.	Transportation tags .....	.17
16	C. C. Georgeson	Services, January 7 to 16	100.00
16	Ed. R. Allen	Office expenses, December	4.30
16	do	Salary and expenses	137.10
16	Drake Brothers	Varnish	2.60
16	Davenport Fisher	Office expenses, December	2.80
16	Troy Laundry Co.	Toilet supplies, December	4.50
16	J. F. Ryder	Salary and expenses, December	285.15
16	W. H. Wray	do	447.02
16	J. T. Claris	Office rent, Buffalo, December	10.08

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 16	J. T. Claris	Salary and expenses, December	\$217.32
16	D. Cameron	Paste	6.50
16	A. C. Raymer	Pasting sacks, etc.	22.71
16	L. J. Carpenter	Horse and buggy, December	40.00
16	Packers' National Bank	Office rent, South Omaha, December	42.00
16	C. A. Melcher	Varnish, stationery, etc.	51.50
16	W. G. Sloane	Furniture, etc.	169.10
16	New England Telephone and Telegraph Co.	Telephone rent, Boston, December	10.00
16	The Bay State Clean Towel Furnishing Co.	Towel supply, December	10.50
16	Annie L. Richards, administratrix.	Office rent, Boston, December	40.00
16	John Medole & Son	Stationery	2.35
16	The New York and New Jersey Telephone Co.	Telephone rent, Jersey City, December	16.95
16	do	Telephone rent, Brooklyn, Oct. 1 to Dec. 31.	
16	Edward T. Jenkins	Office rent, Brooklyn, December	40.15
16	Frank Hallenbeck	Salary and expenses, December	45.00
16	Benj. B. Mullen	do	91.91
16	Charles H. Perry	do	119.17
16	A. K. Robertson	Office expenses, December	140.32
16	do	Salary and expenses, December	2.00
16	The Kotzenburg Co.	Oil, alcohol, etc.	275.27
16	Wm. Kuecken & Co.	Walnut wood	2.57
16	Paul Rieser	Smokestack	7.00
16	Chicago Telephone Co.	Telephone rent, December	8.00
16	Atlas Tack Corporation	Tacks	10.42
16	William R. Morrow	Plumbing	11.50
16	C. H. Crosby	Feed	40.20
16	Edward Morris	Office rent, Chicago, December	49.85
16	Hattie Gates	Services as janitress, Dec. 29 to 31.	133.33
16	F. B. Hamilton	Coal	2.91
16	James J. Brougham	Office expenses, December	4.92
16	Howard Meyers	Varnish, etc.	5.70
16	Louisville and Nashville R. R. Co.	Transportation	6.40
16	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	17.50
16	F. O. Walcker	Tacks, etc.	18.84
16	D. Cumming	Salary for 7 days, December	26.97
16	John A. Bell	Salary and expenses, December	35.00
16	Charles Cowie	do	36.80
16	James Russell	do	50.50
16	Isaac L. Ball	Salary for December	87.48
16	Joseph Hawkins	do	101.10
16	W. A. Willard	Salary and expenses, December	117.90
16	Samuel W. Campbell	Salary for December	124.07
16	R. T. Daily	Salary and expenses for December	134.80
16	Henry B. Ambler	do	137.95
16	F. L. Russell	do	155.75
16	F. L. Kilburne	Expenses in December	220.05
16	Theobald Smith	Sundry expenses in laboratory	181.62
17	The United States Electric Lighting Co.	Electric light, December	2.11
17	Wilmarth & Edmonston	Pans	12.00
17	Geo. W. Talbert	Cabbages	8.64
17	do	do	16.30
18	Thos. T. Keane	Hearts, heads, etc., of bullocks	21.00
18	Elphonso Young	Prepared food for experiments on animals	4.75
18	W. M. Galt & Co.	Feed	7.00
18	do	do	34.88
18	Charles R. Talbert	do	104.64
18	do	do	162.75
19	H. G. Pyle	do	241.80
19	J. T. Claris	Office expenses, December	3.10
19	International Clean Towel Co.	Office expenses, November and December	3.73
19	The Lawyers' Coöperative Co.	Towel supply, December	5.00
19	Metropolitan Telephone and Telegraph Co.	General Digest, vol. 7	6.00
19	Rand, McNally & Co.	Telephone rent, New York City, Dec. 10 to 31.	13.33
19	Tyler Desk Co.	Stationery, etc.	15.75
19	G. W. Ward	Desks and chairs	57.50
19	J. A. Dodge	Salary and expenses, December	67.90
19	W. Judson Smith	do	145.22
19	Oxley & Wilson Manufacturing Co.	Labeling compound	377.37
19	J. B. C. Phillips	Storage, Brooklyn, December	2.85
			.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 19	B. Glick	Stationery, etc	\$11.30
19	The J. H. North Furniture and Carpet Co.	Furniture, etc.	209.85
19	Mrs. J. R. O'Connor	Rent of stable, December	10.00
19	Theodor B. Zuendel	Salary for December	50.50
19	A. D. Melvin	Office expenses, December	63.08
21	A. H. Andrews & Co.	Chairs	36.00
23	The Nassau Gaslight Co.	Gas, Brooklyn, July 1 to Dec. 31	2.50
23	Ed. F. Pickering	Stamp and ink	12.00
23	Frank H. Miller	Salary and expenses, November	47.50
23	Chicago and Northwestern Rwy. Co.	Transportation	76.02
23	R. Sears	Office expenses, December	3.95
23	do	Salary and expenses, December	136.75
23	E. J. Brooks & Co.	Car seals and wires	290.00
24	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation	3.50
24	Lake Shore and Michigan Southern Rwy. Co.	do	9.15
24	Pennsylvania Co.	do	17.50
24	Doane Bros.	Labor and material	43.21
24	Ezra S. Stearns	Session laws of New Hampshire	1.00
24	J. E. Tindal	Acts of 1890, State of South Carolina	1.50
24	Babcock Paint, Glass, and Wall Paper Co.	Matting	23.50
24	John Warrack	Drayage	2.50
24	Frank Pivonka	Office rent, South Omaha, Dec. 3 to 31	46.77
24	Maggie Ward	Salary for December	50.50
24	Nellie Ronan	do	50.50
24	V. A. Moore	Expenses in December	48.13
24	Sherman D. Maynard	Expenses, Dec. 24 to Jan. 19	68.15
24	Geo. E. Hutchins	Covering table, etc.	22.50
24	S. S. Shedd & Bro.	Gas portables	15.00
24	Geo. W. Knox Express	Freight and drayage, November	30.95
24	Chas. Truax Greene & Co.	Bottles and jars	2.32
25	do	Potash, etc.	124.75
25	The Office Toilet Supply Co.	Toilet supplies, Chicago, December	10.14
25	Miller Lock Co.	Repairs to boxes and locks	15.02
25	Vandalia Line	Transporting car seals, October	5.33
25	Central R. R. Co. of New Jersey	Transportation	6.50
25	John Minto	Salary for December	117.90
26	Geo. A. Miller	Salary and expenses for December	86.50
27	E. G. White, secretary of state	Penal code of California	2.50
27	The Chicago and Alton R. R. Co.	Transportation	7.50
27	R. S. Montgomery	Salary and expenses, December	122.40
28	J. B. Chamberlain	Plates	2.30
28	United States Express Co.	Transportation	7.40
31	Metropolitan Telephone and Telegraph Co.	Telephone rent	22.20
31	E. J. Brooks & Co.	Seals and wires	145.00
31	Helotype Printing Co.	Plates for reports on Diseases of Cattle	1,070.69
31	V. A. Moore	Expenses, Jan. 17 to 19	25.05
31	W. Teschner	Microscope, etc.	22.13
31	D. E. Salmon <i>et al.</i>	Salaries for January	4,639.40
Feb. 1	H. J. Ruppert	Land rent, Benning's road, January	41.66
1	C. C. Georgeson	Salary, Jan. 17 to 31	150.00
2	E. J. Brooks & Co.	Car seals and wires	362.50
2	Chas. P. Salisbury	Expenses, Washington to Chicago and return	41.30
3	Frederick H. Gage <i>et al.</i>	Salaries for January	606.20
3	Julius Huelsen <i>et al.</i>	do	712.00
3	Edward Devoe <i>et al.</i>	do	743.60
3	George Carter <i>et al.</i>	do	795.53
3	Floy McEwen <i>et al.</i>	do	1,281.00
3	Wm. Summerville, jr., <i>et al.</i>	do	1,389.13
3	Annie Burnett	Washing towels, July 1 to Dec. 3, 1892	4.80
3	Alfred Burnett	Labor, January	39.00
3	D. E. Salmon	Expenses, Washington to Chicago and return	41.65
4	John Michels <i>et al.</i>	Salaries for January	1,606.38
4	H. G. Pyle <i>et al.</i>	do	1,198.20
4	James Wilson <i>et al.</i>	do	1,337.00
4	Wm. Bates <i>et al.</i>	Labor, January	516.00
4	Norman R. Adams <i>et al.</i>	Salaries for January	2,604.00
4	J. L. Jones	Article on "The Mule," etc.	60.00
6	Geo. F. Lotterle	Wire line	2.60
6	James Stikeman	Office rent, January, New York City	45.83
6	Chas. W. Petty	Salary and expenses, January	65.68
6	Thomas McDermott	do	70.68

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 6	James Russell	Salary and expenses, January	\$82.46
6	Joseph Jarvis	do	83.92
6	Geo. Cornish	do	92.98
6	Hiram Jerome	do	94.08
6	William Foley	do	95.04
6	James Flannery	do	96.02
6	Jos. P. McEnaney	Salary for January	120.60
6	William J. Watt	Salary and expenses, January	140.24
6	Henry S. Vanderhoff	do	149.12
6	W. H. Rose	Salary for January	215.30
6	George C. Faville	Offices expenses, January	2.45
6	Emily Lucas	Services as janitress, January	3.50
6	Wm. Bahlke & Sons	Coal and wood	9.50
6	Alex. Yearley & Son	Office rent, Baltimore, January	10.00
6	David Holland	Salary and expenses, January	82.20
6	James Boyd	do	82.96
6	James A. Cunningham	do	82.96
6	Robert Fisher	do	82.96
6	Frederick Gross	do	84.20
6	Isaac L. Ball	Salary for January	103.30
6	Geo. C. Faville	Salary and expenses, January	259.80
6	George S. Baker <i>et al</i>	Salaries for January	3,193.20
6	E. J. Brooks & Co.	Seals and wires	145.00
6	H. L. Hewetson <i>et al</i>	Salaries for January	3,047.47
6	Watson Pickrell	Salary and expenses, December	3.57
7	Robert W. Ardary <i>et al</i>	Salaries for January	246.70
7	Elwood V. Davis <i>et al</i>	do	822.30
7	Davenport Fisher <i>et al</i>	do	1,252.70
7	F. H. Bernard <i>et al</i>	do	4,915.19
7	Washington Gaslight Co.	Gas for January	23.25
8	Lake Gas Co.	Gas, Chicago, January	11.76
8	O. L. Boor <i>et al</i>	Salaries for January	856.50
8	John Forbes <i>et al</i>	do	852.70
8	Alembert W. Brayton <i>et al</i>	do	584.80
8	W. P. Culter <i>et al</i>	do	533.90
8	James Treneman <i>et al</i>	do	421.30
8	Amelia Barthels <i>et al</i>	do	396.90
8	Elmer E. Hoover <i>et al</i>	do	119.30
8	Mary E. Price <i>et al</i>	do	210.47
8	G. A. Johnson	do	244.60
8	John W. Scott <i>et al</i>	do	1,326.60
8	Z. D. Gilman	Boxes, vials, etc	55.60
8	D. R. Krehbiel <i>et al</i>	Salaries for January	1,768.30
8	S. Stewart <i>et al</i>	do	1,861.00
9	Alvord H. Rose	Office expenses, January	9.44
9	do	Livery, January	45.00
9	Dighton Granger <i>et al</i>	Salaries for January	1,092.70
9	John W. S. Ortiz	Salary and expenses, January	90.47
9	John Mesick	do	91.42
9	Cornelius S. Vosburgh	do	92.72
9	Samuel Jarvis	do	92.82
9	Chester H. Bliss	do	92.98
9	William J. Taylor	do	93.22
9	Frank Hallenbeck	do	93.61
9	John H. Eadie	do	94.02
9	Charles E. Grogan	do	94.82
9	James Smith	do	98.22
9	Henry W. Kornobis	do	108.62
9	J. Sumner Sargent	do	116.10
9	Benj. B. Mullen	do	122.17
9	Claude D. Morris	do	135.08
9	Charles H. Perry	do	143.12
9	W. H. Pendry	do	197.27
9	Anna Mundy	Salary, Dec. 27 to 31	8.15
9	S. J. Nelson	Coal	7.00
9	John Broderick	Office rent, New York City, January	16.00
9	J. H. Ferster	Salary and expenses, January	123.82
9	W. A. Willard	do	126.62
9	R. W. Hickman	do	220.92
9	Annie L. Richards, admx	Office rent, Boston, January	40.00
9	Lewis L. Bullard	Salary and expenses, January	68.02
9	George L. Oliver	do	68.02
9	John Shannon	do	68.74
9	Luther Holton	do	66.82
9	John W. Hitchings	do	91.40
9	Eugene R. Hendley	Salary for January	103.30
9	Thomas Coyle	Salary and expenses, January	107.19
9	William H. Way	do	125.42
9	Theobald Smith	Cabbages, etc	2.44

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 10	Edward Story	Salary for January	\$137. 80
10	Henry B. Ambler	Salary and expenses for January	159. 15
10	D. R. Alton	Salary for January	103. 30
10	Samuel H. Pierce	Salary and expenses for January	167. 80
10	B. A. Pierce	do	182. 80
10	Wm. B. Wernitz	do	129. 97
10	Wm. B. E. Miller	do	200. 00
10	St. Louis National Stock Yards	Office rent, January	50. 00
10	James J. Brougham	Salary and expenses, January	139. 55
10	Doane Bros	Labor in January	2. 50
10	Chicago Telephone Co	Telephone rent, January	10. 42
10	William R. Morrow	Repairing pipe, etc.	10. 45
10	Union Stock Yards Transit Co.	Freight and yardage for cattle	59. 75
10	Oxley & Wilson Manufactur- ing Co.	Labeling compound	29. 50
10	James E. Drom	Salary and expenses, January	132. 85
10	Edward Morris	Office rent, Chicago, January	133. 33
10	John B. Sine	Salary and expenses, January	148. 30
10	Victor A. Norgaard	do	158. 05
10	A. D. Melvin	do	311. 25
10	Jabez Fearey & Co.	Hire of horse and wagon, December	5. 00
10	George Fick	Storage, Jersey City, January	6. 00
10	F. H. Spengeman	Office rent, Jersey City, January	59. 00
10	James Cassey	Salary and expenses, January	91. 55
10	Ira C. Kilburn	do	110. 35
10	Richard Kay	do	160. 45
10	W. H. Cooper	do	165. 60
10	H. W. Rowland	do	165. 60
10	Henry W. Elliot	do	165. 85
10	J. N. Wittpenn	do	165. 85
10	Theo. De Clyne	do	165. 85
10	W. W. Curry	do	168. 50
10	Werner Runge	do	174. 90
10	James A. Walrath	do	217. 20
10	J. W. Hawk	do	217. 70
10	W. S. Devoe	Office expenses, January	3. 48
10	do	Salary and expenses, January	295. 90
10	Charles Cowie	Salary, 4 days in January	20. 00
10	D. Cumming	Salary, 9 days in January	45. 00
10	De N. Jewett	Salary for January	103. 30
10	Chas. A. Wilcox	do	103. 30
10	E. C. Matheny	do	103. 30
10	Joseph Hawkins	do	120. 60
10	Jas. Irwin	do	120. 60
10	L. A. Cuthbertson	Coal	6. 12
10	R. Sears	Office expenses, January .....	. 50
10	do	Salary and expenses, January	139. 35
10	F. F. Ware	Stationery, etc	3. 20
10	R. T. Daily	Salary and expenses, January	139. 90
10	James R. Able	Stationery	3. 95
10	Charles F. Nesbit	Salary for January	103. 30
10	A. W. Clement	Salary and expenses, January	177. 10
10	John N. Lester	do	72. 82
10	O. P. Vandenberg	do	91. 42
10	James Welch	do	91. 42
10	David Parker	do	150. 60
10	Perry Hodgden	Salary for January	103. 30
10	Chas. E. Collins	do	103. 30
10	Thos. W. Oshel	do	103. 30
10	W. S. Wade	do	103. 30
10	William D. Jorden	Salary and expenses, January	107. 35
10	Anderson M. Hunter	Salary for January	120. 60
10	B. L. Stine	do	120. 60
10	D. M. Ward	do	120. 60
10	Joseph Bruser	do	120. 60
10	Howard Rhoads	do	137. 80
10	J. H. North	Chairs, etc.	11. 50
10	Ed. R. Allen	Salary and expenses, January	140. 15
11	A. C. Fulkerson	Towel supply, January	9. 36
11	F. O. Walcker	Tacks, etc.	13. 60
11	M. E. Hungerford Coal Co.	Coal	30. 00
11	G. W. Tourtelot	Office rent, Kansas City, January	50. 00
11	Chas. E. Gragg	Office expenses, January	5. 20
11	do	Salary and expenses, January	138. 75
11	J. H. Brierly et al	Salaries, January	2, 153. 80
11	H. G. Pyle	Office expenses, January	1. 04
11	Julius Huelsen	do	2. 45
11	Robt. W. Ardary	do	2. 80
11	Sabiston & Murray	Manual veterinary surgery	6. 00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 11	International Clean Towel Co.	Towel supply, January	\$5.00
11	C. S. Whitney	Coal	11.00
11	O. L. Boor	Office expenses, January	11.58
11	Drake Brothers	Ink, mucilage, etc.	3.05
11	Troy Laundry Co.	Toilet supplies, January	4.50
11	Photo-Engraving Co.	Photo-engravings, etc.	24.60
11	F. E. Parsons	Salary and expenses, January	267.25
13	Chicago, Milwaukee and St. Paul R. R. Co.	Transportation	9.00
13	Pennsylvania R. R. Co.	do	56.50
13	Luther Poland	Salary for January	103.30
13	A. R. Kennedy	do	120.60
13	George H. Graham	do	137.80
13	Samuel W. Campbell	do	137.80
13	E. J. Brooks & Co.	Seals and wires	145.00
13	James H. Logan <i>et al</i>	Salaries for January	399.70
13	Wyckoff, Seamans & Benedict	Adjusting typewriters	1.00
13	C. Becker	Horse cover, etc.	9.50
13	Capitol, North O Street, and South Washington Rwy. Co.	Car tickets	12.50
13	B. F. Guy & Co.	Stove, etc.	28.80
13	H. H. Rand	Salary for January	180.00
14	Niels Jansen	Salary, Jan. 28 to 31	8.00
14	The New York and New Jersey Telephone Co.	Telephone rent, January	15.80
14	John A. Bell	Salary, 4 days in January	32.00
14	G. W. Ward	Salary, 9 days in January	45.00
14	F. L. Russell	Salary and expenses, January	110.75
14	J. A. Dodge	do	154.88
14	Albert Dean	do	212.45
14	Watson Pickrell	Salary for January	260.00
14	W. Judson Smith	Salary and expenses, January	353.00
14	D. Cameron	Paste	3.00
14	A. C. Raymer	Shears, stoves, etc.	11.15
14	L. J. Carpenter	Livery, January	40.00
14	Packers' National Bank	Office rent, South Omaha, January	42.00
14	C. A. Melcher	Varnish, etc.	48.10
14	Frank Pivonka	Office rent, South Omaha, January	50.00
14	Francis Doane & Co.	Stationery, etc.	12.05
14	The Bay State Clean Towel Furnishing Co.	Towel supply, January	12.24
14	A. K. Robertson	Office expenses, January	2.50
14	do	Salary and expenses, January	320.50
14	J. B. C. Phillips	Storage, Brooklyn, January	5.00
14	The Kotzenberg Co.	Glass, alcohol, etc.	7.13
14	Mrs. J. R. O'Connor	Rent of stable, January	10.00
14	The Office Toilet Supply Co.	Toilet supplies, January	10.83
14	Rand, McNally & Co.	Stationery, etc.	14.65
14	Edward T. Jenkins	Office rent, Brooklyn, January	45.00
14	C. H. Crosby	Feed, January	45.95
14	Chas. Truax Greene & Co.	Iodide, etc.	55.90
14	Wm. Kuecken & Co.	Coal and wood	114.55
14	James A. Taylor	Coal	7.00
14	Thomas F. Taylor	Coal and wood	21.75
14	William H. Bogart	Salary and expenses, January	125.94
14	S. W. McGrew <i>et al</i>	do	1,050.50
14	Victor A. Norgaard	Traveling expenses	28.75
15	Wm. B. E. Miller	Office expenses, January	2.69
15	James J. Brougham	do	2.95
15	W. H. Rose	do	6.00
15	New England Telephone and Telegraph Co.	Telephone rent, Boston, January	10.00
15	S. W. McGrew	Office expenses, December	18.95
15	The Metropolitan Telephone and Telegraph Co.	Telephone rent, New York City, January	20.10
15	Henry Brister	Salary and expenses, January	150.38
15	J. P. Cook & Co.	Repairing stamp, etc.	2.25
15	H. B. Fisher & Brothers	Varnish, pencils, etc.	4.60
15	J. F. Ryder	Salary and expenses, January	306.94
15	W. H. Wray	do	379.08
15	The United States Electric Lighting Co.	Electric lights, January	12.00
15	Adams Express Co.	Transportation	20.35
16	E. J. Brooks & Co.	Car seals and wires	145.00
16	J. B. Bryan & Bro.	Soap	4.19
17	Clara L. Kloes	Salary, Jan. 16 to 31	26.67
17	Robert Hagar	Stationery	5.50
17	J. T. Claris	Office rent, Buffalo, January	10.00
17	do	Salary and expenses, January	222.32

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 17	R. S. Montgomery	Salary and expenses, January	\$180.65
17	B. Westermann & Co	Foreign publications	185.88
17	Daniel G. Hatch	Traveling expenses	32.85
18	Robert A. Braman	Salary, Dec. 1 to 3	5.87
18	Pennsylvania Co.	Transportation	17.50
18	H. P. King	Salary for January	137.80
18	E. J. Brooks & Co.	Car seals and wires	362.50
18	J. W. Dawson	Towel supply, January	5.40
18	Ed. R. Allen	Office expenses, January	22.97
18	Nelson Morris	Feeding cattle, Aug. 16, 1892, to Jan. 26, 1893	3,556.85
18	J. C. Baldrige	Services, Aug. 1, 1892, to Jan. 31, 1893	600.00
18	Brown, St. John & Co	186 head of cattle	1,368.40
20	Alex. Schmid	File jackets	17.52
21	C. C. Georgeson	Salary, Feb. 1 to 20	200.00
21	D. J. Jourdan	Towel supply, January	2.25
21	R. W. Hickman	Offices expenses, January	2.38
21	Union Stock Yard and Transit Co.	Office rent, Chicago, January	15.00
21	John Minto	Salary, January	120.60
21	T. L. Armstrong	Salary and expenses, January	200.00
21	Annie M. Hardie	Salary, Jan. 23 to 31	15.00
21	A. D. Melvin	Office expenses, January	33.05
21	Norton Brothers	Tin boxes	112.18
21	Chas. R. Talbert	Pair of blankets	11.00
21	do.	Feed	131.26
21	W. M. Galt & Co.	do	34.88
23	Bausch and Lomb Optical Co.	Covers	5.25
23	Goldberg Brothers	Hand satchel	7.00
23	E. A. Clapp	Office rent, East St. Louis, January	10.00
23	E. J. Brooks & Co	Car seals and wires	362.50
23	Burlington and Missouri River Rwy. in Nebraska.	Transportation	2.92
23	do.	Transporting car seals	10.45
23	Hannibal and St. Joseph R. R. Co.	Transporting paper tags and stamps	18.98
23	do.	Transporting car seals	19.04
24	Wilmarth & Edmonston	Water cooler	4.50
24	E. J. Brooks & Co.	Car seals and wires	145.00
24	do.	do	145.00
25	Mary Jetter	Salary as janitress, January	25.00
27	J. B. Kendall	Ice creepers, etc.	3.40
27	Wm. Somerville, jr.	Office expenses, January	5.85
27	George A. Miller	Salary and expenses, Jan. 7, 25, and 28.	27.50
27	E. A. v. Schweinitz	Meat for culture edia	5.00
27	H. H. Rand	Expenses in December and January	16.55
28	Schulzeberge & Koechl	Tuberculin	100.00
28	Miles Fuller	Salary for January and February	295.00
28	D. E. Salmon <i>et al</i>	Salaries for February	4,498.55
Mar. 1	S. W. McGrew	Office expenses, January	7.15
1	H. J. Ruppert	Land rent, Bennings road, February	41.66
1	Ernest Betz	Labor and material	8.66
1	Edward Story	Salary and expenses, February	235.20
2	Photo-Engraving Co.	Photo-engraving, etc	9.16
2	E. Ellis Williams	Collecting cattle ticks	10.00
2	Geo. W. Talbert	Cabbages	9.00
2	do	do	16.25
2	Alfred Burnett	Labor, February	36.00
3	Frederick H. Gage <i>et al</i>	Salaries for February	548.60
3	Julius Huelsen <i>et al</i>	do	672.00
3	Edward Devoe <i>et al</i>	do	672.80
3	George Carter <i>et al</i>	do	724.00
3	Floy McEwen <i>et al</i>	do	1,158.00
3	John Michels <i>et al</i>	do	1,510.20
3	H. H. Rand	Salary for February	120.00
6	Emily Lucas	Services as janitress, February	3.50
6	Alex. Yearley & Son	Office rent, Baltimore, February	10.00
6	David Holland	Salary and expenses, February	74.50
6	Robert Fisher	do	74.98
6	James Boyd	do	74.98
6	James A. Cunningham	do	74.98
6	Frederick Gross	do	76.10
6	Isaac L. Ball	Salary for February	93.40
6	A. W. Clement	Salary and expenses for February	159.90
6	Geo. C. Faville	Office expenses, February	1.75
6	do	Salary and expenses, February	213.40
6	Elmer E. Hoover <i>et al</i>	Salaries for February	105.40
6	Alembert W. Brayton <i>et al</i>	do	530.40
6	Elwood V. Davis <i>et al</i>	do	74.40
6	Dighton Granger <i>et al</i>	do	1,005.60

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 6	Davenport Fisher <i>et al.</i>	Salaries for February	\$1, 136. 60
7	James Wilson <i>et al.</i>	do	1, 202. 00
7	Wm. Somerville, jr., <i>et al.</i>	do	1, 295. 00
7	American Railway Supply Co.	Metal tags	18. 75
7	The Metropolitan Telephone and Telegraph Co.	Telephone rent, New York City, January.	21. 65
7	James Stikeman	Office rent, New York City, February.	45. 83
7	Chas. W. Petty	Salary and expenses, February	60. 33
7	Joseph Jarvis	do	63. 74
7	Thomas McDermott	do	64. 32
7	James Russell	do	72. 48
7	Geo. Cornish	do	84. 66
7	Hiram Jerome	do	84. 96
7	James Flannery	do	86. 12
7	William Foley	do	86. 50
7	Jos. P. McEnaney	Salary for February	108. 80
7	William J. Watt	Salary and expenses for February	130. 69
7	Henry S. Vancierhoff	do	135. 47
7	Henry Brister	do	138. 27
7	W. H. Rose	Office expenses, February	1. 00
7	do	Salary for February	194. 40
7	American Railway Supply Co.	Metal tags	37. 50
7	Thomas Manufacturing Co.	Inspection tags	35. 50
7	do	do	177. 50
7	A. Hoen & Co.	Maps	250. 00
8	Z. D. Gilman	Receipts, etc.	7. 20
8	S. Stewart <i>et al.</i>	Salary for February	1, 733. 20
8	H. L. Hewetson <i>et al.</i>	do	2, 718. 40
9	Norman R. Adams <i>et al.</i>	do	2, 322. 00
9	Geo. S. Baker <i>et al.</i>	do	3, 011. 20
9	United States Express Co.	Transportation in January	9. 25
10	D. R. Krehbiel <i>et al.</i>	Salaries for February	1, 595. 07
10	Amelia Barthels <i>et al.</i>	do	372. 80
10	J. C. McNeill <i>et al.</i>	do	186. 60
10	James H. Logan	do	360. 60
10	James Treneman <i>et al.</i>	do	382. 40
10	O. L. Boor <i>et al.</i>	do	763. 00
10	John Forbes <i>et al.</i>	do	806. 60
10	S. W. McGrew <i>et al.</i>	do	958. 00
10	Washington Gaslight Co.	Gas for February	22. 75
10	F. H. Bernard <i>et al.</i>	Salaries for February	4, 523. 94
11	G. A. Johnson <i>et al.</i>	do	220. 80
11	W. P. Cutler <i>et al.</i>	do	482. 20
11	H. G. Pyle <i>et al.</i>	do	1, 083. 60
11	John W. Scott <i>et al.</i>	do	1, 337. 80
11	J. H. Brierly <i>et al.</i>	do	1, 979. 40
11	Joseph A. Bogardus	Tacks	9. 85
11	John Broderick	Office rent, New York City	16. 00
11	J. H. Ferster	Salary and expenses, February	111. 42
11	W. A. Willard	do	114. 22
11	R. W. Hickman	do	197. 72
13	George Fick	Storage, Jersey City, February	6. 00
13	James Cassey	Salary and expenses, February	82. 65
13	W. W. Curry	do	153. 80
13	H. W. Eliot	do	154. 05
13	W. H. Cooper	do	168. 76
13	Werner Runge	do	158. 55
13	James A. Walrath	do	200. 60
13	W. S. Devoe	do	308. 81
13	Luther Holton	do	61. 06
13	John Shannon	do	61. 30
13	Lewis L. Bullard	do	61. 54
13	George H. Oliver	do	61. 78
13	John W. Hitchings	do	85. 50
13	Eugene R. Hendley	Salary for February	93. 40
13	Thomas Coyle	Salary and expenses, February	96. 86
13	William H. Way	do	114. 34
13	Alvord H. Rose	Office expenses, February	1. 00
13	do	Livery, February	45. 00
13	John Mesick	Salary and expenses, February	82. 72
13	John W. S. Ortiz	do	83. 22
13	Cornelius S. Vosburg	do	83. 82
13	Samuel Jarvis	do	83. 92
13	Chester H. Bliss	do	84. 16
13	Frank Hellenback	do	84. 99
13	William J. Taylor	do	85. 12
13	John H. Eadie	do	85. 12
13	Charles E. Grogan	do	86. 17
13	James Smith	do	88. 52

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 13	Harry W. Kornobis	Salary and expenses, February	\$98.52
13	Benj. B. Mullen	do	109.72
13	J. Sumner Sargent	do	107.80
13	Charles H. Perry	do	129.32
13	Julius Huelsen	Office expenses, February	2.45
13	Pennsylvania R. R. Co.	Transportation	6.50
13	De N. Jewett	Salary for February	93.40
13	Chas A. Wilcox	do	93.40
13	D. R. Alton	do	93.40
13	Charles F. Nesbit	Salary and expenses, February	99.15
13	H. P. King	Salary, February	124.40
13	T. L. Armstrong	Salary and expenses, February	185.00
13	W. Judson Smith	do	324.00
13	Lupsner & Mathews	Stamp and dater	4.25
13	A. C. Fulkerson	Towel supply, February	9.36
13	F. O. Walcker	Tacks, etc	27.55
13	B. Friedberg	Incandescent lights	36.00
13	G. W. Tourtellot	Office rent, Kansas City, February	50.00
13	Charles E. Gragg	Office expenses, February .....	.50
13	do	Salary and expenses, February	125.35
13	Julius Heinemann	Milling stages, etc	45.75
13	William H. Bogart	Salary and expenses, February	112.77
13	A. D. Melvin	do	282.00
13	John N. Lester	do	64.52
13	O. P. Vandenberg	do	80.52
13	James Welch	do	81.12
13	David Parker	do	138.80
13	Bausch & Lomb Optical Co.	Repairing model stand	2.50
13	L. A. Culbertson	Coal	6.00
13	R. Sears	Salary and expenses, February	125.95
13	E. A. Clapp	Office rent, East St. Louis, February	10.00
13	E. C. Matheny	Salary for February	93.40
13	Jas. Irwin	Salary and expenses for February	123.75
13	Union Stock Yard and Transit Co.	Office rent, Chicago, February	15.00
13	Samuel W. Campbell	Salary for February	124.40
13	Samuel H. Pierce	Salary and expenses, February	154.40
13	B. A. Pierce	do	169.40
13	American Railway Supply Co.	Metal tags	187.50
13	Wm. B. Wertz	Salary and expenses, February	118.17
13	Wm. B. E. Miller	Office expenses, February	2.56
13	do	Salary and expenses, February	185.00
13	Davenport Fisher	Office expenses, February	2.80
13	Troy Laundry Co	Toilet supplies, February	4.50
13	Wm. Somerville, jr.	Office expenses, February	5.50
13	International Clean Towel Co	Towel supply, February	7.00
13	H. L. Wills	Sharpening scissors	5.50
13	Chicago Telephone Co	Telephone rent, Chicago, February	10.42
13	The Office Toilet Supply Co	Toilet supplies, February	10.66
13	A. D. Melvin	Office expenses, February	57.65
13	Wm. Kuecken & Co.	Coal	86.74
13	Edward Morris	Office rent, Chicago, February	133.33
13	John B. Sine	Salary and expenses, February	138.40
13	Wm. Bates <i>et al.</i>	Labor	438.00
14	H. H. Shepard	Blank books	36.00
14	William D. Jordan	Salary for February	93.40
14	Perry Hodgden	do	93.40
14	Thos. W. Oshel	do	93.40
14	B. L. Stine	do	108.80
14	D. M. Ward	do	108.80
14	Anderson M. Hunter	do	108.80
14	Joseph Bruser	do	108.80
14	Howard Rhoads	do	124.40
14	D. J. Jourdan	Towel supply, February	2.25
14	D. Cameron	Paste	2.50
14	A. C. Raymer	Posting tacks, etc	15.25
14	Packers' National Bank	Office rent, South Omaha, February	42.00
14	L. J. Carpenter	Livery, February	40.00
14	Frank Pivonka	Office rent, South Omaha, February	50.00
14	Charles Cowie	Salary and expenses, Feb. 9	5.40
14	J. H. North	Chairs	7.00
14	C. S. Whitney	Coal	7.50
14	J. W. Dawson	Towel supply, February	8.45
14	Fred W. Huntington	Services, Feb. 11, 18, and 20	15.00
14	O. L. Boor	Office expenses, February	21.77
14	D. Cumming	Salary, 6 days in February	30.00
14	John A. Bell	Salary, 4 days in February	32.00
14	G. W. Ward	Salary, 10 days in February	50.00
14	St. Louis National Stock Yards	Office rent, February	50.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 14	F. L. Russell.....	Salary and expenses, February.....	\$91.25
14	Luther Poland.....	Salary for February.....	93.40
14	Joseph Hawkins.....	do.....	103.80
14	R. S. Montgomery.....	Salary and expenses for February.....	100.55
14	George H. Graham.....	Salary for February.....	124.40
14	James J. Brougham.....	Salary and expenses, February.....	125.55
14	Ed. R. Allen.....	do.....	126.35
14	Henry B. Ambler.....	Salary for February.....	140.00
14	J. B. C. Phillips.....	Storage, Brooklyn, February.....	5.00
14	Edward T. Jenkins.....	Office rent, Brooklyn, February.....	45.00
14	W. H. Pendry.....	Salary and expenses, February.....	195.12
14	A. K. Robertson.....	Office expenses, February.....	1.50
14	do.....	Salary and expenses, February.....	329.73
14	John Medole & Son.....	Stationery.....	7.30
14	Andrew N. Davis.....	Slaughtered cattle.....	15.00
14	The New York and New Jersey Telephone Co.....	Telephone rent, Jersey City, February.....	17.05
14	F. H. Spengeman.....	Office rent, Jersey City, February.....	50.00
14	Ira C. Kilburn.....	Salary and expenses, February.....	114.25
14	Richard Kay.....	do.....	145.05
14	H. W. Rowland.....	Salary and expenses, February.....	153.80
14	Theo. De Clyne.....	do.....	154.05
14	J. N. Wittpenn.....	do.....	154.05
14	J. W. Hawk.....	do.....	207.05
14	J. A. Dodge.....	do.....	147.08
14	F. E. Parsons.....	Salary, February; expenses, Jan. 31 to Feb. 16.....	203.44
14	Watson Pickrell.....	Salary and expenses, February.....	296.60
15	Albert Dean.....	do.....	204.00
15	Chas. E. Collins.....	do.....	132.30
15	Central R. R. Co. of New Jersey.....	Transportation.....	6.50
15	B. Westermann & Co.....	Foreign publications.....	33.47
15	American Railway Supply Co.....	Metal tags.....	37.50
15	do.....	do.....	75.00
15	E. J. Brooks & Co.....	Car seals and wires.....	725.00
15	The United States Electric Lighting Co.....	Electric light, February.....	12.00
15	Ellen T. Keane.....	Rent land, Gier's Woods, Jan. 1 to Feb. 23.....	45.53
15	Ohio and Mississippi Rwy. Co.....	Transportation, stamps and tags, October.....	7.15
15	do.....	Transportation, tags, December.....	7.33
15	James Wilson.....	Office expenses, February.....	5.40
15	American Railway Supply Co.....	Metal tags.....	18.75
15	Thomas Manufacturing Co.....	Inspection tags.....	71.00
15	do.....	do.....	71.00
15	do.....	do.....	71.00
15	John Minto.....	Salary for February.....	108.80
15	John P. T. Davis.....	do.....	56.00
15	do.....	Salary for January.....	62.00
15	T. A. Geddes.....	Salary, Feb. 10 to 28.....	73.89
15	Thomas F. Taylor.....	Wood.....	2.24
15	Sabiston & Murray.....	Stationery.....	9.25
15	Mary E. Price <i>et al</i>	Salaries for February.....	21.951
15	Theobald Smith.....	Sundry expenses in laboratory.....	2.80
16	S. W. McGrew.....	Office expenses, February.....	21.65
16	J. F. Ryder.....	Salary and expenses, February.....	5.98
16	W. H. Wray.....	do.....	512.41
16	Albert Hassall.....	Traveling expenses, February.....	2.17
16	Chas. R. Talbert.....	Feed.....	147.60
16	Maurice Joyce.....	Engraving plates.....	18.00
16	W. M. Galt & Co.....	Feed.....	69.76
17	United States Express Co.....	Transportation.....	10.10
18	C. C. Georgeson.....	Salary and expenses, Feb. 21 to Mar. 16.....	386.81
20	Chicago and Grand Trunk Ry. Co.....	Transportation.....	6.03
20	Thomas Manufacturing Co.....	Inspection tags.....	142.00
20	Claude D. Morris.....	Salary and expenses, February.....	122.16
20	E. J. Brooks & Co.....	Car seals and wires.....	290.00
20	A. D. Asdikian.....	Salary, Mar. 1 to 15.....	50.00
21	New England Telephone and Telegraph Co.....	Telephone rent, Boston, February.....	10.00
21	David Pifferling.....	Slaughtered cattle.....	50.00
21	Adams Express Co.....	Transportation.....	9.90
23	Ed. R. Allen.....	Office expenses, February.....	2.15
23	Lawton & Burnap.....	Stationery.....	6.20
23	Lake Gas Co.....	Gas for February.....	11.28
23	R. T. Dailey.....	Salary and expenses, February.....	126.65
23	Thomas Manufacturing Co.....	Inspection tags.....	355.00
23	J. T. Claris.....	Office rent, Buffalo, February.....	10.00
23	do.....	Salary and expenses, February.....	206.42

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 23	George A. Miller	Salary and expenses, February	\$29.00
25	Chicago, Burlington and Quincy K. R. Co.	Transportation	9.76
27	R. Sears	Office expenses, February	1.50
27	John Forbes	do	1.95
27	John L. Wise	Slaughtered cattle	10.00
27	A. R. Kenney	Salary, March 1 to 15	58.33
27	do	Salary for February	108.80
27	The Metropolitan Telephone and Telegraph Co.	Telephone rent, New York City, February	20.00
27	do	do	21.35
27	C. A. Melcher	Scalpels	4.50
27	do	Varnish, etc.	29.35
28	Chicago and Northwestern Rwy. Co.	Transportation	27.30
28	Victor A. Nørgaard	Traveling expenses	3.95
28	F. L. Kilborne	do	1.28
29	Brooklyn Daily Eagle	Advertising	4.80
30	Bay State Clean Towel Furnishing Co.	Towel supply, February	14.52
30	Annie L. Richards, administratrix.	Office rent, Boston, February	40.00
30	W. S. Wade	Salary and expenses, February	103.00
31	Brooklyn Union Publishing Co.	Advertising	5.40
31	E. J. Brooks & Co.	Car seals and wires	145.00
31	D. E. Salmon	Additional compensation, Jan. 1 to Mar. 31.	250.00
31	Henry Casson	Salary, Mar. 8 to 31	168.00
31	D. E. Salmon <i>et al</i>	Salaries for March	5,061.25
	Amount of vouchers in quarter, Bureau of Animal Industry.		204,996.59
	Amount of vouchers in quarter, Bureau of Animal Industry, rent.		300.00
	Amount of vouchers in quarter, Bureau of Animal Industry, swine plague.		1,438.33
	Total third quarter		206,734.92
Apr. 3	T. L. Armstrong	Office expenses, October, 1892	2.27
3	Thomas Manufacturing Co.	Inspection tags	71.00
3	Lehn & Fink	Loeffler bacillus typhi murium	1.00
3	E. J. Brooks & Co.	Car seals and wires	145.00
3	do	do	362.50
3	Vandalia Line	Transportation, seals	5.33
3	Edward Devoe <i>et al</i>	Salaries for March	743.60
3	Theobald Smith	Sundry expenses in laboratory	2.46
3	Albert Hassall	Traveling expenses	4.33
3	H. J. Ruppert	Land rent, Bennings road, March	41.66
3	Ellen T. Keane	Land rent, "Long Meadows," Jan. 1, 1893, to Mar. 31.	135.00
3	Woodward & Lothrop	Cotton, etc.	2.08
4	Frederick H. Gage <i>et al</i>	Salaries for March	544.20
4	Julius Huelsen <i>et al</i>	do	750.00
4	George Carter <i>et al</i>	do	810.50
4	Floy McEwen <i>et al</i>	do	1,281.00
5	Thomas H. Scanlon	Labor for March	40.00
5	William Bates <i>et al</i>	do	342.00
5	E. Balzer <i>et al</i>	Salaries for March	3,703.99
5	Dighton Granger <i>et al</i>	do	1,063.70
6	Davenport Fisher <i>et al</i>	do	1,135.80
6	H. G. Kyle <i>et al</i>	do	1,174.82
6	Wm. Somerville, jr., <i>et al</i>	do	1,322.05
6	John Michels <i>et al</i>	do	1,599.57
6	Emily Lucas	Services as janitress, March	3.50
6	Alex. Yearley & Son	Office rent, Baltimore, March	10.00
6	Chesapeake and Potomac Telephone Co.	Telephone rent, Baltimore, March	25.00
6	David Holland	Salary and expenses, March	82.00
6	James Boyd	do	82.96
6	Robert Fisher	do	82.96
6	Frederick Gross	do	84.20
6	Isaac L. Ball	Salary for March	103.30
6	Charles F. Nesbit	Salary and expenses for March	107.55
6	A. W. Clement	do	175.30
6	Geo. C. Faville	do	218.90
7	Norman R. Adams <i>et al</i>	Salaries for March	2,530.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 7	Lewis R. Baker <i>et al</i>	Salaries for March	\$3, 140.56
8	James Stikeman	Office rent, New York City, March	45.83
8	Thomas McDermott	Salary and expenses, March	66.88
8	Chas. W. Petty	do	70.94
8	James Russell	do	78.30
8	Joseph Jarvis	do	78.50
8	Hiram Jerome	do	94.14
8	William Foley	do	94.32
8	Geo. Cornish	do	94.74
8	James Flannery	do	96.04
8	Jos. P. McEnaney	Salary for March	120.60
8	William J. Watt	Salary and expenses, March	124.04
8	Henry S. Vanderhoff	do	150.49
8	Henry Brister	do	151.99
8	W. H. Rose	Office expenses, March	1.00
8	do	Salary for March	215.30
8	Amelia Barthels	Salaries for March	413.60
8	D. R. Krehbiel <i>et al</i>	do	1, 769.97
8	The Chesapeake and Potomac Telephone Co.	Telephone rent, Jan. 1 to Mar. 31, 1893.	85.19
8	American Ice Co	Coal	9.98
8	Washington Gaslight Co	Gas for March	20.25
10	H. L. Hewetson <i>et al</i>	Salaries for March	2, 367.30
10	W. T. Twitley <i>et al</i>	Labor for March	102.00
10	J. C. McNeil <i>et al</i>	Salaries for March	222.70
10	G. A. Johnson <i>et al</i>	do	244.60
10	Mary E. Price <i>et al</i>	do	276.80
10	James H. Logan <i>et al</i>	do	379.63
10	James Treneiman <i>et al</i>	do	421.30
10	Albert W. Brayton <i>et al</i>	do	504.58
10	W. P. Cutler <i>et al</i>	do	533.90
10	Elwood V. Davis <i>et al</i>	do	762.17
10	O. L. Boor <i>et al</i>	do	870.50
10	James Wilson <i>et al</i>	do	1, 221.00
11	John W. Scott <i>et al</i>	do	1, 244.60
11	S. Stewart <i>et al</i>	do	1, 386.36
11	J. H. Brierly <i>et al</i>	do	2, 181.80
11	Bausch & Lomb Optical Co	Repairing mirror	.20
11	New England Telephone and Telegraph Co.	Telephone rent, Boston, March	10.00
11	George H. Oliver	Salary and expenses, March	66.58
11	Luther Holton	do	66.82
11	Lewis L. Bullard	do	67.78
11	John Shamon	do	68.26
11	John W. Hitchings	do	93.08
11	Thomas Coyle	do	96.65
11	Eugene R. Hendley	Salary for March	103.30
11	Alvord H. Rose	Office expenses, March	3.00
11	do	Livery	45.00
11	John Forbes <i>et al</i>	Salaries for March	893.70
11	S. W. McGrew <i>et al</i>	do	1, 021.50
12	B. Westernmann & Co	Foreign publications	25.56
12	Wm. B. E. Miller	Office expenses, March	5.01
12	do	Salary and expenses, March	200.00
12	The Bell Telephone Co., of Philadelphia.	Telephone rent Jan. 1 to Mar. 31	30.00
12	Wm. B. Wertz	Salary and expenses for March	135.97
12	John Mesick	do	91.62
12	Samuel Jarvis	do	91.82
12	John W. S. Ortiz	do	92.97
12	Cornelius S. Vosburgh	do	93.22
12	John H. Eadie	do	94.32
12	William J. Taylor	do	94.42
12	Frank Hallenbeck	do	95.28
12	Charles E. Grogan	do	95.37
12	James Smith	do	98.67
12	Henry W. Kornobis	do	109.32
12	J. Sumner Sargent	do	116.10
12	Benj. B. Mullen	do	122.02
12	Claude D. Morris	do	135.37
12	Charles H. Perry	do	143.32
12	W. H. Pendry	do	228.81
12	W. S. Devoe	Office expenses, March	2.95
12	George Flick	Storage, Jersey City, March	6.00
12	F. H. Spengeman	Office rent, Jersey City, March	50.00
12	James Cassey	Salary and expenses, March	91.75
12	Ira C. Kilburn	do	110.35
12	W. H. Cooper	do	165.60
12	W. W. Curry	do	165.60

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 12	H. W. Rowland	Salary and expenses, March	\$165. 60
12	Richard Kay	do	160. 65
12	J. N. Wittpenn	do	165. 85
12	H. W. Eliot	do	165. 85
12	Theo. De Clyne	do	165. 85
12	Werner Runge	do	174. 20
12	J. W. Hawk	do	217. 20
12	James A. Walrath	do	217. 20
12	Chicago and Northwestern Rwy. Co.	Transportation	3. 92
13	Howard Wilson	Labeling compound	5. 00
13	S. J. Nelson	Coal	7. 00
13	John Broderick	Office rent, New York City, March	16. 00
13	J. H. Ferster	Salary and expenses, March	123. 62
13	W. A. Willard	do	126. 72
13	R. W. Hickman	do	220. 52
13	Burlington, Cedar Rapids and Northern Rwy. Co.	Transportation	11. 90
13	Pennsylvania R. R. Co.	do	10. 66
13	Thomas Manufacturing Co	Inspection tags	142. 00
13	do	do	71. 00
13	do	do	71. 00
13	E. J. Brooks & Co	Car seals and wires	290. 00
13	do	do	145. 00
13	do	do	145. 00
13	United States Express Co.	Transportation, March	2. 10
13	Easton & Rupp	Twine and cotton	1. 45
13	M. W. Beveridge	Trays, dippers, etc	4. 07
14	F. L. Russell	Salary, 5 days, March	40. 00
14	D. Crumming	Salary, 10 days, March	50. 00
14	R. S. Montgomery	Salary and expenses, March	112. 50
14	H. P. King	Salary for March	137. 80
14	Henry B. Ambler	do	155. 00
14	T. L. Armstrong	Office expenses, August	2. 75
14	do	Salary and expenses, March	200. 00
14	Union Stock Yards and Trans- it Co.	Office rent, Chicago, March	15. 00
14	Samuel W. Campbell	Salary and expenses, March	163. 20
14	Samuel H. Pierce	do	167. 80
14	B. A. Pierce	do	182. 80
14	Paul Rieser	Repairing boxes, etc	4. 25
14	The Office Toilet Supply Co	Toilet supplies, March	9. 52
14	Lake Gas Co	Gas, Chicago, March	10. 32
14	Chicago Telephone Co	Telephone rent, Chicago, March	10. 42
14	William H. Bryant	Salary and expenses, March	123. 54
14	Edward Morris	Office rent, Chicago, March	133. 33
14	John B. Sine	Salary and expenses, March	148. 30
14	A. D. Melvin	do	306. 00
14	Anderson M. Hunter	Salary for March	97. 22
14	Perry Hodgden	do	103. 30
14	Joseph Bruser	do	120. 60
14	B. L. Stine	do	120. 60
14	D. M. Ward	do	120. 60
14	Howard Rhoads	do	137. 80
14	Frederick Springman	Hauling, etc., March	1. 70
14	Alfred Burnett	Labor, March	40. 50
14	Adams Express Co	Transportation, February	16. 70
15	Ed. R. Allen	Office expenses, March	1. 25
15	do	Salary and expenses, March	140. 00
15	J. C. McNeil	Office expenses, February .....	. 30
15	do	Office expenses, March	1. 17
15	John Huber, jr	Desk, etc	33. 50
15	H. G. Pyle	Office expenses, March .....	. 71
15	Chicago, Milwaukee and St. Paul Rwy. Co.	Transporting car seals	1. 31
15	Chicago and Grand Trunk Rwy. Co.	Transportation	6. 03
15	Davenport Fisher	Office expenses, March	1. 50
15	Troy Laundry Co	Toilet supplies, March	3. 00
15	L. A. Culbertson	Coal	5. 00
15	R. Sears	Salary and expenses, March	139. 55
15	S. W. McGrew	Office expenses, March	5. 10
15	A. C. Fulkerson	Towel supply, March	9. 36
15	F. O. Walcker	Tacks	12. 50
15	G. W. Tourtellot	Office rent, March	50. 00
15	Charles E. Gragg	Salary and expenses, March	137. 80
15	Luther Poland	Salary	103. 30
15	H. B. Fisher & Bros	Dammar varnish	2. 50
15	The Bay State Clean Towel Furnishing Co.	Towel supply, March	14. 52

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 15	The New York and New Jersey Telephone Co.	Telephone rent, March	\$19.10
15	G. W. Ward	Salary, 10 days in March	50.00
15	Rand, McNally & Co.	Cards	81.00
15	D. R. Alton	Salary for March	103.30
15	Chas. A. Wilcox	do	193.30
15	De N. Jewett	do	103.30
15	Joseph Hawkins	do	120.60
15	James J. Brougham	Salary and expenses, March	138.65
15	W. Judson Smith	do	363.00
15	Geo. C. Paville	Office expenses, March	2.00
15	Wm. Bahlke & Sons	Coal and wood	9.50
15	Rand, McNally & Co.	Stationery, etc	4.00
15	Wm. Knecken & Co.	Coal and wood	25.44
15	O. P. Vandenberg	Salary and expenses, March 1 to 18	53.32
15	John Lester	Salary and expenses for March	73.02
15	James Welch	do	91.62
15	David Parker	do	150.60
15	James J. Brougham	Office expenses, March	1.80
15	St. Louis National Stock Yards.	Office rent, March	50.00
15	E. A. Clapp	Office rent, St. Louis, March	10.00
15	W. S. Wade	Salary for March	103.30
15	E. C. Matheny	do	103.30
15	Jas. Irwin	Salary and expenses, March	150.75
15	James Wilson	Office expenses, March	1.00
15	D. J. Jourdan	Towel supply, March	2.25
15	C. A. Melcher	Varnish, etc	18.80
15	J. R. Kelly	Livery, March	40.00
15	Packers' National Bank	Office rent, South Omaha, March	42.00
15	Frank Pivonka	do	50.00
17	J. W. Dawson	Towel supply, March	5.77
17	R. T. Daily	Salary and expenses, March	137.80
17	A. K. Robertson	Office expenses, March	2.72
17	J. B. C. Phillips	Storage, Brooklyn, March	5.00
17	James A. Taylor	Coal	6.50
17	Edward T. Jenkins	Office rent, Brooklyn, March	45.00
17	Thomas Manufacturing Co.	Inspection tags	71.00
17	do	do	177.50
17	do	do	177.50
17	E. J. Brooks & Co.	Car seals and wires	362.50
17	do	do	725.00
17	P. Mann	Hoisting block	7.00
17	L. H. Hopkins	Wire, brooms, etc	14.25
17	J. K. Butler	Plumbing, etc	6.20
17	The U. S. Electric Lighting Co.	Electric light, March	12.04
17	The Hygienic Ice Co.	Ice, July to Dec. 31, 1892	16.19
18	Edward Story	Salary and traveling expenses, March	188.80
18	Watson Pickrell	Salary for March	270.00
18	James Boyd	Salary and expenses, April 1 to 15	40.40
18	Robert Fisher	do	40.40
18	Frederick Gross	do	40.40
18	James A. Cunningham	do	40.40
18	David Holland	do	40.40
18	W. H. Gibbs	Salary and expenses, March 27 to 31	23.92
18	Otis E. Sadler	Salary for March	103.30
18	Charles E. Collins	Salary and expenses for March	141.75
18	William D. Jorden	do	195.45
18	Albert Dean	do	206.25
18	Thos. Somerville & Sons	Pipe, etc	3.81
18	W. M. Galt & Co.	Feed, March	36.38
18	David Pifferling	Slaughtered cattle	95.00
18	Chas. R. Talbert	Feed, March	128.34
18	W. H. Wray	Salary and expenses, March	439.77
19	J. F. Ryder	do	200.70
19	E. C. Schroeder	Expenses, Feb. 15 to Apr. 7	36.45
19	Victor A. Norgaard	Traveling expenses	5.75
20	Chester H. Bliss	Salary and expenses, March	93.24
20	Frank E. Hopkins	Cartridges	3.00
20	S. J. Meeks	Wagon	100.00
20	Julius Huelsen	Office expenses, March	4.49
20	James A. Cunningham	Salary and expenses, March	82.96
20	Thos. W. Oshel	do	149.45
20	G. A. Johnson <i>et al.</i>	Salaries, Apr. 1 to 15	117.03
21	Ohio & Mississippi Rwy. Co.	Transporting tags, January	8.04
21	Anne L. Richards	Administratrix, office rent, Boston, March	40.00
21	John A. Bell	Salary five days in March	40.00
21	William H. Way	Salary and expenses, March	125.66
21	W. S. Devoe	do	315.75
21	C. Becker	Telescope case, etc	9.00
21	People's Dispatch Co.	Transportation, March	1.36

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 22	A. D. Melvin.....	Office expenses, March.....	\$42.17
25	R. Sears.....	do.....	2.85
25	Pittsburgh, Cincinnati, Chicago & St. Louis Rwy. Co.	Transportation.....	3.00
25	O. L. Boor.....	Office expenses, March.....	13.88
25	Alice E. Streeter.....	Salary, Mar. 1 to 11.....	18.33
25	The Metropolitan Telephone and Telegraph Co.	Telephone rent, New York City, March.....	20.25
25	J. T. Claris.....	Office rent, Buffalo, March.....	10.00
25	Oregon H. Phillips.....	Salary, Apr. 1 to 15.....	41.21
25	Pennsylvania Co.....	Transportation.....	52.50
25	John Medole & Son.....	Inspection records, etc.....	84.15
25	J. A. Dodge.....	Salary and expenses, March.....	117.80
26	George H. Graham.....	Salary for March.....	137.80
28	C. C. George-on.....	Salary and expenses, Mar. 17 to Apr. 17.....	264.72
28	Bausch & Lomb Optical Co.....	Glass slides, circulars, etc.....	24.68
28	J. T. Claris.....	Office expenses, March.....	1.83
28	do.....	Salary and expenses, March.....	250.47
28	Nassau Gaslight Co.....	Gas, Jan. 1 to Mar. 31.....	1.88
28	N. C. Strang.....	Slaughtered cattle.....	40.00
28	A. R. Robertson.....	Salary and expenses, March.....	300.89
28	Wyckoff, Seamans & Benedict.....	Letter paper and repairs to typewriter.....	47.61
28	W. B. Moses & Sons.....	Rugs.....	32.50
29	Hannibal and St. Joseph R. R. Co.	Transporting stamps, November.....	3.94
29	Wm. Sommerville, jr.....	Office expenses, March.....	13.97
29	Forsburg & Murray.....	Steam fitting.....	105.00
29	E. J. Brooks & Co.....	Car seals and wires.....	362.50
30	Henry Casson.....	Salary for April.....	200.00
30	D. E. Salmon <i>et al</i>	Salaries for April.....	4,890.20
May 1	Thomas Manufacturing Co.....	250,000 meat inspection tags.....	177.50
2	Bausch & Lomb Optical Co.....	One continental microscope, etc.....	160.10
2	E. J. Brooks & Co.....	500 M car seals and wires.....	725.30
2	S. A. Johnson, collector.....	Storage on one box surgical instruments.....	.50
3	Eimer & Amend.....	One thermostat with regulator, etc.....	136.40
3	Alembert W. Brayton.....	Salaries for April.....	103.18
3	Floy McEwen <i>et al</i>	do.....	245.60
3	Thomas E. Stucky <i>et al</i>	do.....	295.41
3	Frederick H. Gage <i>et al</i>	do.....	482.72
3	Julius Huelsen <i>et al</i>	do.....	617.92
3	Elwood V. Davis <i>et al</i>	do.....	629.90
3	George Carter <i>et al</i>	do.....	786.20
3	H. G. Pyle.....	do.....	872.51
4	Thomas H. Berry <i>et al</i>	do.....	128.00
4	Norman R. Adams <i>et al</i>	do.....	2,431.30
4	Lewis R. Baker <i>et al</i>	do.....	2,749.90
4	J. C. McNeil <i>et al</i>	do.....	197.80
4	James H. Logan <i>et al</i>	do.....	332.90
4	Amelia Barthels <i>et al</i>	do.....	396.00
4	James Treneman <i>et al</i>	do.....	404.40
5	John Forbes <i>et al</i>	do.....	774.60
5	Dighton Granger <i>et al</i>	do.....	1,006.28
5	James Wilson <i>et al</i>	do.....	1,147.96
5	John Michels <i>et al</i>	do.....	1,384.46
5	D. R. Krehbiel <i>et al</i>	do.....	1,692.76
6	H. L. Hewetson <i>et al</i>	do.....	2,233.51
6	H. J. Ruppert.....	Land rent, Bennings Road, April.....	41.66
6	Washington Gaslight Co.....	Gas for April.....	30.25
6	J. H. Chesley & Co.....	Brooms.....	2.71
8	W. P. Cutler <i>et al</i>	Salaries for April.....	510.80
8	S. Stewart <i>et al</i>	do.....	818.80
8	S. W. McGrew <i>et al</i>	do.....	994.30
8	Charles E. Gragg <i>et al</i>	do.....	2,115.34
8	O. L. Boor <i>et al</i>	do.....	806.62
8	John W. Scott <i>et al</i>	do.....	1,085.43
9	E. Balzer <i>et al</i>	do.....	2,438.48
9	Emily Lucas.....	Services as janitress, April.....	3.00
9	Wm. Bahlke & Sons.....	Wood.....	4.50
9	Alex. Yearly & Son.....	Office rent, Baltimore, April.....	10.00
9	Wm. Bennett.....	Salary and expenses, Apr. 16 to 30.....	30.47
9	Nicholas W. Tegges.....	do.....	30.47
9	Joseph E. Blondell.....	do.....	30.47
9	James E. Hulbert.....	do.....	30.47
9	Ranney Thomas.....	do.....	30.47
9	Isaac L. Ball.....	Salary for April.....	98.90
9	Charles F. Nesbit.....	Salary and expenses for April.....	103.15
9	A. W. Clement.....	Salary for April.....	164.80
9	Geo. C. Faville.....	do.....	206.00
9	W. H. Rose.....	Towel supply, New York City, April.....	1.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
May 9	W. H. Rose	Salary for April	\$206.00
9	The Metropolitan Telephone and Telegraph Co.	Telephone rent, New York City, March	22.15
9	James Stikeman	Office rent, New York City, April	45.83
9	Chas. W. Petty	Salary and expenses, April	63.23
9	Thomas McDermott	do	65.06
9	Joseph Jarvis	do	72.68
9	James Russell	do	72.78
9	George Cornish	do	89.62
9	Hiram Jerome	do	89.62
9	William Foley	do	91.72
9	James Flannery	do	92.16
9	Jos. P. McEnaney	Salary for April	115.40
9	Wm. J. Watt	Salary and expenses for April	142.94
9	Henry S. Vanderhoff	do	143.63
9	Henry Brister	do	144.35
10	W. T. Twitty <i>et al.</i>	Labor for April	134.00
10	George Fick	Storage, Jersey City, April	6.00
10	F. H. Spengeman	Office rent, Jersey City, April	50.00
10	J. N. Wittpenn	Salary and expenses, April	160.65
10	Werner Runge	do	164.25
10	James A. Walrath	do	209.80
10	W. S. Devoe	do	274.11
10	Francis Doane & Co	Chamois skins, tablets, etc	7.93
10	New England Telephone and Telegraph Co.	Telephone exchange rental, Boston, April	10.00
10	Annie L. Richards, admx.	Office rent, Boston, April	40.00
10	Luther Holton	Salary and expenses, April	63.64
10	John Shannon	do	64.60
10	George H. Oliver	do	64.84
10	Lewis L. Bullard	do	65.32
10	John W. Hitchings	do	89.38
10	Thomas Coyle	do	93.63
10	Eugene R. Hendley	Salary for April	98.90
10	William H. Way	Salary and expenses, April	120.46
10	Alvord H. Rose	Office expenses, April	1.00
10	do	Use of horse and carriage, April	45.00
10	International Clean Towel Co.	Towels supply, Buffalo, April	3.45
10	do	Towels supply, Buffalo, March	7.00
10	John Broderick	Office rent, New York, April	16.00
10	W. A. Willard	Salary and expenses, April	121.12
10	R. W. Hickman	do	210.92
10	Lake Gas Co.	Gas for April, Chicago	8.16
10	R. Sears	Grinding and repairing scissors	.70
10	do	Salary and expenses, April	133.75
10	William H. Bogart	do	118.56
10	Edward Morris	Office rent, Chicago, April	133.33
10	John B. Sine	Salary and expenses, April	143.90
10	A. D. Melvin	do	290.00
10	St. Louis National Stock Yards	Rent of rooms, National Stock Yards, April	50.00
10	James Brougham	Salary for April	131.90
10	C. W. Patterson	Repairing door strips, etc	2.50
10	Wm. B. E. Miller	Office expenses for April	2.63
10	do	Salary and expenses, April	193.30
10	Union Stock Yard and Transit Co.	Office rent, Chicago, April	15.00
10	Samuel W. Campbell	Salary and expenses, April	159.65
10	Samuel H. Pierce	do	161.90
10	B. A. Pierce	do	181.31
10	Wm. Somerville, jr., <i>et al.</i>	Salaries for April	1,053.53
10	Davenport Fisher <i>et al.</i>	do	1,023.13
10	T. L. Armstrong	Salary and expenses for April	193.30
10	Julius Huelson	Office expenses for April	2.45
11	John N. Lester	Salary and expenses, April	72.62
11	James Welch	do	86.32
11	David Parker	do	145.40
11	Perry Hodgden	Salary for April	98.90
11	Thomas W. Oshel	Salary and expenses for April	101.90
11	Joseph Bruser	Salary for April	115.40
11	D. M. Ward	do	115.40
11	Anderson M. Hunter	Salary and expenses for April	134.15
11	B. L. Stine	do	134.49
11	Albert Dean	do	173.30
12	Z. D. Gilman	Bottles, cotton, chloroform, etc	77.25
12	do	Thermometers, compression glasses, etc	167.53
12	Alfred Burnett	25 days' labor, April	37.50
12	The United States Electric Lighting Co.	Electric lights, Apr. 1 to 30, laboratory	12.00
12	D. Cumming	Salary for April	50.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
May 12	Edward Story	Salary for April	\$131.90
12	Henry B. Ambler	Salary and expenses, April	152.45
12	Ed. R. Allen	Office expenses for April	2.75
12	do	Salary and expenses, April	133.35
12	John Warrack	Drayage on seals	2.00
12	Charles Cowie	Services in April	5.00
12	C. W. Fischer	Copying press, etc	10.00
12	Bay State Clean Towel Furnishing Co.	Towel supply, April	16.35
12	The Metropolitan Telephone and Telegraph Co.	Rent of telephone and toll service, New York City, April.	20.10
12	De N. Jewett	Salary for April	98.90
12	Chas A. Wilcox	do	98.90
12	Joseph Hawkins	do	115.40
12	F. O. Walcher	Tacks	12.50
12	G. W. Tourtellot	Rent of rooms, Kansas City, April	50.00
12	Jno. Nesbit	Rent of rooms, East St. Louis, April	10.00
12	E. C. Matheny	Salary for April	98.90
12	Jas. Irwin	Salary and expenses, April	145.10
12	Chas. E. Collins	do	136.50
12	Hicks & Carroll	Calcuttining office	4.00
12	The Office Toilet Supply Co	Use of toilet supplies, April	6.45
12	Chicago Telephone Co	Telephone service, Chicago, April.	10.42
12	Alexander H. Revell & Co	Matting	20.62
12	A. D. Melvin	Office expenses, April	94.13
13	H. G. Pyle	Soap, medicine droppers, etc	1.28
13	Joseph E. Sawtell	Expenses as tagger	2.25
13	Wm. Knecken & Co.	Coal	20.93
13	D. J. Jourdan	Towel supply, South Omaha, April	2.25
13	D. Cameron	Paste	3.00
13	C. A. Melcher	Alcohol, varnish, etc	20.15
13	J. R. Kelley	Use of horse and buggy, South Omaha, April.	40.00
13	Packers' National Bank	Rent of rooms, South Omaha, April	42.00
13	J. F. Ryder	Salary and expenses, April	290.06
13	Campbell & Gregg	Toilet supplies, Milwaukee, April.	3.50
13	A. C. Fulkerson	Towel supply, Kansas City, April	9.36
13	The New York and New Jersey Telephone Co.	Telephone rent, Jersey City, April	16.50
13	S. D. Maynard	Expenses from Feb. 1 to May 3	19.60
13	Geo. W. Talbert	Cabbages	14.00
13	do	do	16.75
13	Adams Express Co	Transportation	36.25
13	Geo. W. Knox Express	Freight on desks, chairs, etc.	20.13
13	Victor A. Norgaard	Expenses for May	2.10
15	Theobald Smith	Expenses in laboratory, April	1.98
16	B. Westermann & Co	Books	19.00
16	G. W. Ward	Salary, 3 days in April	15.00
16	John A. Bell	Salary and expenses for April	25.60
16	S. W. McGrew	Office expenses, April	4.00
16	O. D. Boor	do	8.15
16	Thomas Manufacturing Co	Meat-inspection tags	213.00
16	do	do	284.00
16	E. J. Brooks & Co	Car seals and wires	3.63
16	do	do	435.00
17	W. H. Wray	Salary and expenses, April	421.20
17	J. H. Ferster	do	118.12
17	Geo. C. Faville	Office expenses, April	2.46
17	The Tribune Printing Co	Advertising	2.50
17	L. A. Waters	Mucilage	4.00
17	Chicago, Burlington and Quincy Rwy. Co.	Transportation	4.18
17	Wm. H. Boultinghouse	1 cow	25.00
17	C. Dirlam	Cartage	16.00
17	Edward H. Schlueter	Services as auctioneer, Brooklyn.	20.00
17	The New York and New Jersey Telephone Co.	Exchange rental, Brooklyn, Jan. 1 to Mar. 31.	41.55
17	Joseph A. Brock	Lumber, nails, iron, etc	63.94
17	Thomas Manufacturing Co	Meat-inspection tags	213.00
17	E. J. Brooks & Co	Car seals and wires	435.00
17	W. L. King	Felt packing, laboratory	3.20
17	S. J. Meeks	Repairing buggy, etc	12.50
17	W. M. Galt & Co	Meal, bran, and middlings	34.88
17	Charles R. Talbert	Oats, bran, timothy, etc	111.05
17	United States Express Co	Expressage	7.55
17	Kate Ward et al	Salaries, May 1-15.	74.19
17	J. T. Claris	Office rent, Buffalo, April	10.00
17	do	Salary and expenses, April	211.02
18	Jacob Klotz	do	359.77

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
May 19	Davenport Fisher	Office expenses, April	\$3.20
19	George A. Miller	Salary and expenses, April 7	8.75
19	O. L. Boor	Office expenses, May 1-15	23.68
19	Louis F. Miller <i>et al</i>	Salaries, May 1-15	233.77
19	O. L. Boor <i>et al</i>	do	309.97
20	Ohio and Mississippi Rwy	Transporting paper tags	6.50
22	Frank Pivonka	Room rent, South Omaha, April	50.00
22	James Wilson	Stamping ink	2.00
22	W. D. Robbins	Expressage on seals, etc	2.70
22	W. D. Robbins <i>et al</i>	Salaries for April	397.24
22	Otis E. Sadler	Salary and expenses, April	123.55
22	W. H. Gibbs	do	144.55
22	William D. Jordan	do	171.30
22	Edmund T. Hooker	do	172.90
22	C. C. Georgeson	Expenses on March 18	1.50
22	George A. Miller	Salary and expenses, May 15	8.75
22	H. G. Pyle	Salary, May 1 to 6, inclusive	26.37
22	F. L. Russell	Salary and expenses for April	59.75
22	R. Sears	Salary and expenses, May 1 to 15, inclusive	66.88
22	Nellie Arnold <i>et al</i>	Salaries, May 1 to 10, inclusive	290.06
22	Thomas Manufacturing Co	Meat-inspection tags	213.00
22	Phelps Paine <i>et al</i>	Salaries, May 1 to 15, inclusive	299.44
22	E. J. Brooks & Co	Car seals and wires	435.00
22	John M. Williams	Hauling stamps	.30
22	Ernest Betz	Making one incubator	75.00
24	Oxley & Wilson Manufactur- ing Co.	Labeling compound	29.50
24	John Aireth <i>et al</i>	Salaries for April	109.23
24	A. K. Robertson	Salary and expenses, April	346.21
24	W. J. Watt	Salary, May 1 to 15	70.00
24	Thomas Manufacturing Co	Meat-inspection tags	142.00
24	E. J. Brooks & Co	Car seals and wires	290.00
24	A. Hoen & Co	Certificates of inspection	700.00
25	J. C. McNeil	Cheese cloth, mucilage, etc	1.25
25	John Reynders & Co	One dozen hypodermic needles	8.00
25	W. B. Moses & Sons	Recaning seat of chair	1.50
25	Alfred Burnett	18 days' labor, May 1 to 20, inclusive	27.00
25	Adams Express Co	Transporting boxes, etc	8.10
26	Etta Holland <i>et al</i>	Salaries, May 1 to 20, inclusive	125.28
26	Nathaniel Shatswell	Salary, May 16 to 25, inclusive	38.46
27	Thomas Manufacturing Co	Meat-inspection tags	142.00
27	Howard Rhoads	Salary and expenses, April	197.20
29	E. J. Brooks & Co	Car seals and wires	290.00
31	Henry Casson	Salary, May 1 to 31	216.00
31	D. E. Salmon <i>et al</i>	Salaries for May	5,085.56
June 2	H. J. Ruppert	Rent of land, Bennings road, May	41.66
2	Lake Gas Co.	Gas, Chicago, May 1 to 17, inclusive	5.04
2	Metropolitan Telephone and Telegraph Co.	Telephone rent, New York, April	23.10
2	C. Dorfinger & Sons	Jars, casks, and barrels	110.00
2	Thomas Manufacturing Co	Meat-inspection tags	142.00
2	do	do	355.00
2	E. J. Brooks & Co	Car seals and wires	390.00
3	Hannibal and St. Joseph R. R.	Transporting four cases of tags	4.35
3	Ohio and Mississippi Rwy. Co.	do	8.13
5	James Herriman <i>et al</i>	Salaries for May	108.00
5	Dighton Granger <i>et al</i>	do	918.30
5	Norman R. Adams <i>et al</i>	do	2,255.81
5	E. Balzer <i>et al</i>	do	2,526.50
5	Victor A. Norgaard	Traveling expenses	65.37
6	Thomas Manufacturing Co	Meat inspection tags	142.00
6	E. J. Brooks & Co.	Car seals and wires	290.00
6	A. K. Robertson	Salary and expenses for May	320.30
6	Collin	Surgical instruments	55.48
7	W. H. Rose <i>et al</i>	Salaries for May	1,216.80
7	Wm. H. Way <i>et al</i>	do	637.40
7	John Michels <i>et al</i>	do	1,602.20
7	J. J. Young <i>et al</i>	Salaries, May 1-15	70.88
7	Floy McEwen <i>et al</i>	Salaries for May	253.80
7	James H. Logan <i>et al</i>	do	304.64
7	Thomas E. Stucky <i>et al</i>	do	324.74
7	James J. Brougham <i>et al</i>	do	490.80
7	W. P. Cutler <i>et al</i>	do	500.63
7	Julius Huelsen <i>et al</i>	do	574.60
7	George Carter <i>et al</i>	do	630.10
7	John W. Scott <i>et al</i>	do	1,013.64
8	Davenport Fisher <i>et al</i>	do	1,100.69
8	D. R. Krehbiel <i>et al</i>	do	1,718.54
8	Charles E. Gragg <i>et al</i>	do	2,068.67

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893, June 8	Lewis R. Baker <i>et al</i>	Salaries for May	\$2,918.60
9	J. C. McNeill <i>et al</i>	do	220.40
9	J. H. Houan <i>et al</i>	Salaries, May 16 to 31	429.03
9	Jennie Boyle <i>et al</i>	Salaries, May 1-23, inclusive	448.32
9	John Forbes <i>et al</i>	Salaries for May	556.03
9	S. Stewart <i>et al</i>	do	773.85
9	Geo. C. Faville <i>et al</i>	do	796.10
9	R. W. Hickman <i>et al</i>	do	901.57
9	Wm. Somerville, jr., <i>et al</i>	do	1,285.77
9	Washington Gaslight Co.	Gas for May	21.50
9	E. L. Siggins <i>et al</i>	Salaries for May	1,005.02
10	Southern Pacific Co.	Transportation	10.90
10	Werner Runge	Salary and expenses, May	178.66
10	James A. Walrath	do	215.40
10	W. S. Devoe	Office expenses, May	1.45
10	do	Salary and expenses, May	331.06
10	F. G. Wolbert	Services as auctioneer, Jersey City	5.50
10	George Fick	Rent of rooms for storage, Jersey City	6.00
10	Central R. R. Co. of N. J.	Transportation	6.50
10	John Fegan	One barrel of alcohol	25.57
10	The Globe Newspaper Co.	Publishing advertisements	5.00
10	Chicago Herald Co.	do	11.00
10	St. Louis Republic	do	8.00
10	The Boston Herald Co.	do	5.50
10	Kansas City Times Newspaper Co.	do	6.60
10	The Kansas City Star	do	4.00
10	Harvey L. Goodall	do	3.00
10	Alvord H. Rose	Office expenses, May	1.00
10	The Lawyers' Coöperative Publishing Co.	United States Supreme Court reports, etc	6.00
10	W. H. Rose	Office expenses, May	9.75
10	New England Telephone and Telegraph Co.	Telephone rent, Boston, May	10.00
10	Bay State Clean Towel Furnishing Co.	Towel supply, Somerville, May	10.92
10	B. Westermann & Co.	Books and periodicals	19.56
10	James Stikeman	Office rent, New York, May	45.83
10	J. N. Wittpenn	Salary and expenses, May	156.95
10	Wm. B. E. Miller	Office expenses, May	2.76
10	do	Salary and expenses, May	198.40
10	Thomas Manufacturing Co.	Meat-inspection tags	17.75
10	do	do	42.60
10	E. J. Brooks & Co.	Car seals and wires	36.25
10	do	do	87.00
12	Chas. E. Collins	Salary and expenses, May	154.50
12	The Office Toilet Supply Co.	Use of toilet supplies, Chicago, May	7.53
12	Edward Morris	Office rent, Chicago, May	133.33
12	Thos. W. Oshel	Salary for May	102.20
12	Perry Hodgden	do	102.20
12	W. H. Gibbs	Salary and expenses, May	103.45
12	Anderson M. Hunter	Salary for May	119.20
12	D. M. Ward	do	119.20
12	Joseph Bruser	do	119.20
12	Alexander Lobbo	Salary and expenses, May	122.05
12	Albert Hassall	Salary and expenses, May 2-23	2.55
12	F. L. Kilborne	Traveling expenses	25.20
12	L. H. Hopkins	Knives	1.35
12	Geo. N. Holland	Rat traps, etc	4.85
12	Minnis & Martyn	Repairing gutters on stable, etc	8.90
12	A. M. Bauer	Rods for windmill	1.65
12	F. H. Spengeman	Room rent, Jersey City, May	50.00
12	Church & Stephenson	Lumber	6.42
12	Z. D. Gilman	Flasks, chemicals, etc	68.77
13	Union Stock Yards and Transit Co.	Office rent, Chicago, May	15.00
13	Samuel H. Pierce	Salary and expenses, May	166.20
13	Samuel W. Campbell	do	179.15
13	B. A. Pierce	do	135.96
13	Chicago Telephone Co.	Telephone service, Chicago, May	10.42
13	A. D. Melvin	Salary and expenses, May	306.00
13	David Parker	do	149.20
13	J. T. Claris	Office rent, Buffalo, May	10.00
13	do	Salary and expenses, May	218.72
13	D. Cumming	Salary for May	35.01
13	Chas. A. Wilcox	do	102.20
13	Charles F. Nesbit	do	102.20
13	Joseph Hawkins	do	119.20
13	De N. Jewett	do	102.20

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
June 13	Edward Story	Salary for May	\$136.20
13	Henry B. Ambler	do	153.40
13	T. L. Armstrong	do	198.40
13	Charles R. Talbert	Oats, bran, etc	75.62
14	Julius Huelsen	Office expenses, May	2.45
14	International Clean Towel Co.	Towel supply, Buffalo, May	6.69
14	St. Louis National Stock Yds.	Rent of rooms, New York City, May	50.00
14	Davenport Fisher	Office expenses, May	2.80
14	Campbell & Gregg	Toilet supplies in Milwaukee, May	4.50
14	John Broderick	Office rent, New York City, May	16.00
14	A. D. Melvin	Office expenses, May	24.07
14	John B. Sine	Salary and expenses, May	147.20
14	James Wilson	Office expenses, May	2.00
14	Evans Laundry Co	Toilet supplies, South Omaha, May	2.25
14	A. C. Raymer	Keg posting tacks, etc	19.05
14	C. A. Melcher	Varnish, sponges, etc	25.25
14	J. R. Kelley	Horse hire, South Omaha, May	40.00
14	Packers' National Bank	Rent of rooms, South Omaha, May	45.00
14	A. C. Fulkerson	Towel supply, Kansas City, May	9.56
14	Charles E. Gragg	Office expenses, May	11.90
14	F. A. Walcker	One keg tacks	12.50
14	G. W. Tourtellot	Rent of rooms, Kansas City, May	50.00
14	The U. S. Electric Lighting Co.	Electric lights, laboratory, May	12.00
15	Mary Jetter	Salary as janitress and box-cleaner	25.00
15	E. C. Matheny	Salary for May	102.20
15	Otis E. Sandler	Salary and expenses, May	126.15
15	James Irwin	do	135.50
15	Howard Rhoads	do	241.17
15	S. E. O'Neill <i>et al</i>	Salaries for May	486.53
15	Geo. C. Faville	Salary, June 1-15	103.02
16	S. W. McGrew	Office expenses, May	7.20
16	John Nesbit	Rent of office, E. St. Louis, May	10.00
16	Annie L. Richards, adminis- tratrix	Rent of office, Boston, Mass	40.00
16	Theobald Smith	Meat, eggs, etc., for culture work	2.19
17	J. F. Ryder	Salary and expenses, May	299.02
17	W. H. Wray	do	437.41
17	C. H. Hanson	Rubber stamp, pad, etc	2.75
17	Chas. O. Brockway	Hog rings, etc	6.17
17	Rand, McNally & Co	Pads, pens, tags, etc	19.90
17	John Warrack	Drayage on tags and seals	2.00
17	H. B. Fisher & Bros	Varnish and turpentine	3.25
17	Geo. C. Faville	Office expenses, May	1.25
17	Alex. Yearley & Son	Office rent, Baltimore, May	10.00
17	Ed. R. Allen	Office expenses, May .....	.95
17	A. O. Stoeltzing Stove and Hardware Co.	Tacks	12.75
17	The New York and New Jersey Telephone Co.	Exchange rental, Jersey City, May	16.95
17	James T. Stuart <i>et al</i>	Salaries for May	932.73
17	C. Becker	Horse-collar pad, etc	2.95
17	L. H. Hopkins	Two saws	3.65
17	Office Specialty Manufactur- ing Co.	Filing cabinet	108.00
17	Victor A. Norgaard	Five clinical thermometers	6.50
17	do	Traveling expenses	24.92
19	Henry S. Vanderhoff	Salary, June 1-15, inclusive	65.93
19	Albert Dean	Salary and expenses, May	179.65
19	Albert H. Hoyt <i>et al</i>	do	365.20
20	United States Express Co	Expressage	8.95
21	The Evening Journal Associa- tion	Advertising furniture sale	1.60
21	Joseph E. Sawtell	Salary and expenses, May	64.90
21	Edward Shelden	do	125.50
21	Jacob Klotz	do	316.60
21	C. A. Wales <i>et al</i>	Salaries for June	124.34
21	W. D. Robbins <i>et al</i>	Salaries for May	383.33
21	Amelia Barthels <i>et al</i>	do	424.48
21	James Wilson <i>et al</i>	do	1,154.80
21	T. A. Geddes <i>et al</i>	Salaries for June	201.92
21	M. A. Atwood <i>et al</i>	do	346.22
22	Wm. Somerville, Jr	Office expenses, May	1.00
22	South Omaha Electric Light, Heat, and Power Co.	Electric lights for May	2.60
22	Metropolitan Telephone and Telegraph Co.	Telephone rent, New York City, May	20.30
22	Adams Express Co	Expressage	10.00
24	Metropolitan Telephone and Telegraph Co.	Telephone rent, New York City, May	22.70

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
June 24	Thomas Manufacturing Co	Meat-inspection tags	\$294.65
24	S. W. McGrew <i>et al.</i>	Salaries for May	615.45
27	Wyckoff, Seamans & Benedict	Adjusting typewriter	.50
28	May Boven <i>et al.</i>	Salary, June 1 to 15	179.70
28	E. A. v. Schweinitz	Meat for culture media	3.75
29	Baltimore and Ohio R. R. Co.	Transporting one box	3.26
29	Ohio and Mississippi Rwy. Co.	Transporting three cases paper tags	23.15
30	Henry Casson	Salary for June	208.00
30	D. E. Salmon	Additional compensation, April 1 to June 30	250.00
30	D. E. Salmon <i>et al.</i>	Salaries for June	5,139.69
	Amount of vouchers in quarter, Bureau of Animal Industry.		167,866.43
	Amount of vouchers in quarter, Bureau of Animal Industry, rent.		300.00
	Amount of vouchers in quarter, swine plague.		1,442.05
	Total fourth quarter		169,608.48
	<i>Supplemental.</i>		
July 1	Lake Gas Co	Gas, Chicago, May 18 to June 16	2.88
1	D. W. Vickrey	Saddle, bridle, etc.	27.75
1	H. D. Mayne	Salary and expenses four days in May	23.75
1	H. J. Ruppert	Rent of land, Bennings Road, June	41.74
1	Thomas Manufacturing Co	Meat-inspection tags	71.00
3	Hermann Oldenburg	One bay mare	25.00
3	Leonard Dean	do.	30.00
3	Solomon Walls	One sorrel mare	30.00
3	J. B. Thomas	One bay mare	35.00
3	Jacob Forret	One dun mare	40.00
3	Joseph A. Bogardus	Two dozen hog ringers	5.50
3	Annie L. Richards, administratrix of the estate of C. L. Richards.	Office rent, Boston, June	40.00
5	Washington Gaslight Co	Gas for laboratory, June	17.50
6	The Washington Post Co	Publishing proposals for rent of rooms	4.81
6	A. W. Clement <i>et al.</i>	Salaries for June	563.70
6	Edward H. Flood <i>et al.</i>	do.	628.69
6	Julius Huelson <i>et al.</i>	do.	635.34
6	R. W. Hickman <i>et al.</i>	do.	802.49
6	W. H. Rose <i>et al.</i>	do.	1,052.20
6	John Michels <i>et al.</i>	do.	1,401.84
6	A. Hoen & Co.	Meat inspection tags	1,250.00
6	E. J. Brooks & Co	Car seals and wires	725.00
6	Thomas Manufacturing Co	Meat inspection tags	106.50
6	Bausch & Lomb Optical Co	Repairing three microscopes	14.50
6	B. Westermann & Co	Medical books and magazines	7.40
6	Chicago, Rock Island and Pacific Rwy. Co.	Transporting lead seals	7.42
7	The Missouri Pacific Rwy Co.	Transporting E. Sheldon, Nebraska City to Gordon.	13.25
8	E. Balzer <i>et al.</i>	Salaries for June	1,771.94
8	Norman R. Adams <i>et al.</i>	do.	2,145.95
8	Lewis R. Baker <i>et al.</i>	do.	2,520.70
10	James H. Logan <i>et al.</i>	do.	283.46
10	W. D. Robbins <i>et al.</i>	do.	329.52
10	S. Stewart <i>et al.</i>	do.	418.25
10	Amelia Barthels	do.	445.42
10	David Parker	do.	463.80
10	James J. Brougham <i>et al.</i>	do.	474.60
10	Wm. H. Way <i>et al.</i>	do.	632.80
10	William Somerville, jr., <i>et al.</i>	do.	1,022.26
10	Davenport Fisher <i>et al.</i>	do.	1,025.50
10	Dighton Granger <i>et al.</i>	do.	785.20
11	Ed. R. Allen <i>et al.</i>	do.	1,062.66
11	D. R. Krehbiel <i>et al.</i>	do.	1,547.51
11	Amount of vouchers to July 12, Bureau of Animal Industry.	Rent, June	100.00
18	A. K. Robertson	Salary and expenses, June	272.15
18	John Doris <i>et al.</i>	Salaries for June	253.80
18	Thomas E. Stuckey <i>et al.</i>	do.	363.00
18	S. E. O'Neill <i>et al.</i>	do.	506.50
18	J. H. Honan <i>et al.</i>	do.	804.10
18	John Forbes <i>et al.</i>	do.	827.50
18	S. W. McGrew <i>et al.</i>	do.	830.42
18	C. J. Sikler <i>et al.</i>	do.	1,749.36
19	J. T. Claris	Salary and expenses, June	167.82

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1893.	<i>Supplemental—Continued.</i>		
July 19	J. T. Claris.....	Office rent, Buffalo, June.....	\$10.00
19	J. F. Ryder.....	Salary and expenses, June.....	290.30
19	W. H. Wray.....	do.....	421.20
19	C. W. Handley.....	Cartage, Chicago.....	10.00
19	Alexander H. Revell & Co.....	Ice box.....	12.00
19	Herman W. Bernard.....	Salary, Mar. 1-19.....	95.00
19	Edward Morris.....	Office rent, Chicago, June.....	133.33
19	E. J. Brooks & Co.....	Car seals and wires.....	1,450.00
19	Bay State Clean Towel Fur- nishing Co.....	Towel supply, June.....	7.32
19	Francis Doane & Co.....	Chamois skins, etc.....	10.40
19	A. C. Raymer.....	1 hatchet.....	1.75
19	H. B. Fisher & Bros.....	1 gallon dammar varnish.....	2.50
19	Davenport Fisher.....	Office expenses, June.....	3.00
19	Campbell & Gregg.....	Toilet supply, Milwaukee, June.....	4.50
19	The Metropolitan Telegraph and Telephone Co.....	Telephone rent, amount toll service, June.....	20.90
19	James Stikeman.....	Office rent, New York, June.....	45.83
19	Daniel Cameron.....	Paste.....	2.00
19	Evans Laundry Co.....	Towel supply, South Omaha, June.....	2.25
19	J. A. Doe.....	Ice for June.....	3.75
19	C. A. Melcher.....	5 gallons varnish, etc.....	17.35
19	Packers' National Bank.....	Rent of rooms, South Omaha, June.....	45.00
19	J. C. McNeil.....	Office expenses, May.....	.20
19	do.....	Expenses for May.....	3.78
19	R. W. Heckman.....	Office expenses, New York, June.....	.75
19	Howard Wilson.....	Labeling compound.....	2.50
19	John Broderick.....	Office rent, New York, June.....	16.00
19	Liepsner & Mathews.....	Dating stamp, etc.....	5.90
19	A. O. Steltzing.....	Tacks, brooms, maps, etc.....	11.95
19	Edmund T. Hooker.....	Salary and expenses, May 1 to 6, inclusive.....	27.78
19	Chas. E. Collins.....	Salary for June.....	128.00
19	W. E. Hill.....	do.....	153.22
19	Philip H. Moore.....	do.....	158.65
19	William D. Jordan.....	Salary for May.....	196.65
19	do.....	Salary for June.....	190.05
19	John C. Parker.....	Index card to order.....	13.50
20	Z. D. Gilman.....	One-half dozen Hick's thermometers.....	10.25
20	do.....	Combination locks, etc.....	18.62
20	John C. Parker.....	Library index cards, etc.....	25.50
20	Annie Burnett.....	Washing towels, Jan. 1 to June 30.....	5.70
20	U. S. Electric Lighting Co.....	Electric lights, June.....	12.00
20	Ellen T. Keane.....	Rent of land, "Long Meadow," Apr. 1 to June 30.....	135.00
20	Chas. A. Wilcox.....	Salary for June.....	98.90
20	De N. Jewett.....	do.....	98.90
20	Henry B. Ambler.....	Salary and expenses for June.....	156.35
20	James Irwin.....	Salary for June.....	115.40
20	Edward Sheldon.....	Salary and expenses, June.....	128.25
20	Edward Story.....	Salary for June.....	131.90
20	John Nesbitt.....	Office rent, St. Louis, June.....	10.00
20	E. C. Matheny.....	Salary for June.....	98.90
20	D. W. Moffatt.....	One mare killed, maladie du coit.....	20.00
20	Ludwig Danne.....	do.....	25.00
20	Jacob C. Rexroth.....	do.....	30.00
20	Wm. Bell.....	do.....	35.00
20	Geo. C. Faville.....	Salary and expenses, June 16 to 30, inclu- sive.....	136.52
20	Griffin & Connelly.....	Ice, Chicago, May 8 to 31, inclusive.....	3.63
20	Paul Rieser.....	Repairing boxes, stoves, etc.....	4.50
20	The Office Toilet Supply Co.....	Toilet supply, Chicago, June.....	6.47
20	Chicago Telephone Co.....	Telephone services, Chicago, June.....	10.42
20	Atlas Tack Corporation.....	Upholstering tacks.....	11.50
20	A. D. Melvin.....	Salary and expenses, June.....	251.00
20	Perry Hodgden.....	Salary for June.....	98.90
20	Otis E. Sadler.....	do.....	98.90
20	W. H. Gibbs.....	Salary and expenses, June.....	101.75
20	D. M. Ward.....	do.....	115.40
20	Jos. Benser.....	do.....	115.40
20	Alexander Lobb.....	do.....	118.25
20	Albert Dean.....	do.....	166.40
20	A. W. Clement.....	Office expenses, June.....	2.50
20	Alex. Gearley & Son.....	Office rent, Baltimore, June.....	10.00
20	The Chesapeake and Potomac Telephone Co.....	Telephone rent, Apr. 1 to June 30.....	25.00
20	Charles F. Nesbit.....	Salary for June.....	98.90
20	Union Stock Yards and Transit Co.....	Office rent, Chicago, June.....	15.00
20	B. A. Pierce.....	Salary and expenses, June.....	137.37

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1893.			
July 20	S. W. Campbell.....	Salary and expenses, June.....	\$167. 16
20	W. S. Devoe.....	do.....	323. 52
20	do.....	Expenses for May.....	21. 15
20	Missouri, Kansas and Texas Rwy. Co.....	Transporting W. D. Jordan, Fort Worth to San Antonio, Tex.....	8. 35
20	Ed. R. Allen.....	Office expenses.....	. 50
20	Julius Huelsen.....	do.....	3. 41
20	M. L. Young.....	Salary for the 30th of June.....	5. 00
20	Atlas Tack Corporation.....	50 lbs. tacks.....	5. 75
20	F. S. Worcester.....	Kalsomining 2 rooms.....	8. 40
20	H. D. Mayne.....	Salary and expenses in June, 3 days.....	18. 85
20	D. Cumming.....	Salary and expenses 4 days in June.....	20. 00
20	The Bell Telephone, of Philadelphia.....	Telephone exchange, Apr. 1 to June 30.....	30. 00
20	St. Louis National Stock Yards	Room rent, National Stock Yards, June.....	50. 00
20	Ohio and Mississippi Rwy. Co.....	Transporting paper stamps.....	3. 80
20	G. W. Ward.....	Salary and expenses 10 days in June.....	41. 75
20	Chas. Cowie.....	Salary and expenses 1 day in June.....	5. 00
20	South Omaha Electric Light and Heat and Power Co.....	Electric light, June.....	3. 05
20	Hygienic Ice Co.....	Ice from March to June 30.....	9. 46
20	S. S. Daish & Son.....	Meal, middlings, etc.....	82. 73
20	Geo. W. Knox Express.....	Freight.....	7. 54
20	Theobald Smith.....	Expenses for Laboratory.....	1. 57
20	The Chesapeake and Potomac Telephone Co.....	Exchange rental.....	78. 41
24	W. H. Rose.....	Office expenses for June.....	9. 75
24	Edward H. Flood.....	do.....	4. 69
24	International Clean Towel Co.....	Towel supply, Buffalo, June.....	4. 26
24	Joseph Hawkins.....	Salary for June.....	115. 40
24	J. H. Honan.....	Office expenses, June.....	26. 40
24	Daniel D. Lee.....	Salary for June.....	206. 00
24	New England Telephone and Telegraph Co.....	Exchange rental, June.....	10. 00
24	James T. Stuart <i>et al</i>	Salaries for June.....	948. 45
24	do.....	Office expenses, June.....	2. 93
24	A. D. Melvin.....	do.....	46. 81
24	Pennsylvania R. R. Co.....	Transporting Geo. C. Faville, Baltimore to Chicago.....	17. 00
24	Adams Express Co.....	Transporting packages.....	12. 25
25	S. W. McGrew.....	Office expenses, June.....	1. 85
25	A. C. Fulkerson.....	Towel supply, Kansas City, June.....	9. 36
25	G. W. Tourtellot.....	Rent of rooms, Kansas City, June.....	45. 00
25	Evan H. Pritchard.....	Salary for June.....	185. 40
25	Howard Rhoads.....	Salary and expenses, June.....	160. 92
25	E. L. Siggins <i>et al</i>	Salaries for June.....	1, 020. 93
25	James Wilson <i>et al</i>	do.....	1, 125. 90
25	W. P. Cutler <i>et al</i>	do.....	475. 24
25	W. P. Cutler.....	Office expenses, June.....	1. 60
27	United States Express Co.....	Expressage.....	6. 00
27	Chicago, Rock Island and Pacific Rwy. Co.....	Freight on 2 boxes tags.....	3. 05
27	E. J. Brooks & Co.....	Car seals and wires.....	507. 50
31	do.....	do.....	489. 38
31	Evan H. Pritchard.....	Office expenses, June.....	1. 65
31	Daniel D. Lee.....	do.....	7. 20
31	Manning M. Abbott.....	1 mare killed, maladie du coit.....	15. 00
31	Griffin & Connelly.....	Ice for June.....	4. 75
Aug. 14	J. R. Kelly.....	Horse hire, June 1-18.....	24. 00
9	The Metropolitan Telephone and Telegraph Co.....	Telephone rent and toll, June.....	20. 35
9	The Chicago and Ohio Rwy. Co.....	Transportation, Washington, D. C., to Little Rock.....	27. 90
14	The Missouri Pacific Rwy. Co.....	Transporting E. Shelden.....	13. 25
14	Fremont, Elkhorn and Missouri Valley R. R. Co.....	do.....	13. 25
16	Richmond and Danville R.R. Co.....	Transporting V. A. Norgaard.....	41. 05
24	Ohio and Mississippi Rwy. Co.....	3 cases paper tags.....	8. 13
30	James Condon.....	9 days' salary between 1st and 31st of May.....	17. 80
31	Theobald Smith.....	Dinners, May and June.....	4. 45
Sept. 7	Vandalla Line.....	Transporting lead seals, May.....	10. 66
13	Victor A. Norgaard.....	Expenses in June.....	34. 75
Oct. 3	B. Westerman & Co.....	Foreign publications.....	33. 00
13	Hannibal and St. Louis R. R. Co.....	Freight transportation, April, 1893.....	12. 28
13	do.....	Freight transportation.....	11. 27
	Transportation orders.....		50. 53
	Public Printer.....		8, 855. 21
	Total supplemental.....		50, 125. 72

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

RECAPITULATION.

Total first quarter.....	\$115, 153. 23
Total second quarter.....	178, 545. 30
Total third quarter.....	206, 734. 92
Total fourth quarter.....	169, 608. 48
Supplemental.....	50, 125. 72
Total.....	720, 167. 65

QUARANTINE STATIONS.

Date.	Name.	Nature of payment.	Total.
1892.			
July 31	R. G. Blaine.....	Salary for July.....	\$168. 50
Aug. 8	Alvord H. Rose.....	Salary and expenses for July.....	215. 01
8	John Hume.....	Salary for July.....	60. 60
9	R. G. Blaine.....	Expenses for July.....	31. 80
17	Robt. L. Ewing.....	Salary and expenses for July.....	75. 80
17	Wm. Herbert Lowe.....	do.....	159. 47
17	Andrew C. Osborn.....	Salary for July.....	60. 60
17	Alonzo Butterworth.....	do.....	60. 60
17	W. O. Bush.....	Feed and supplies.....	43. 93
17	E. E. Ackerman.....	Sawdust.....	2. 50
20	W. O. Bush.....	Feed, etc.....	91. 25
20	Wm. M. Swartz.....	Photographs of sheep.....	15. 00
23	Boston Herald Co.....	Advertising.....	5. 50
31	R. G. Blaine.....	Salary for August.....	168. 50
Sept. 2	James Whitty.....	Services in taking Persian sheep to California.	24. 00
6	John Hume.....	Salary for August.....	60. 60
6	Alvord H. Rose.....	Salary and expenses in August.....	218. 92
14	Andrew C. Osborn.....	Salary for August.....	60. 60
14	Wm. Herbert Lowe.....	Salary and expenses in August.....	161. 31
14	Alonzo Butterworth.....	Salary for August.....	60. 60
16	Robert L. Ewing.....	do.....	75. 80
30	R. G. Blaine.....	Salary for September.....	163. 00
	Total first quarter.....		1, 983. 89
Oct. 13	Alvord H. Rose.....	Salary and expenses, September.....	206. 63
13	John Hume.....	Labor, September.....	58. 80
13	The New York and New Jersey Telephone Co.	Telephone rent, July 1 to Sept. 30.....	18. 75
13	Alonzo Butterworth.....	Labor, September.....	58. 80
13	Andrew C. Osborn.....	do.....	58. 80
13	Wm. Herbert Lowe.....	Salary and expenses, September.....	150. 94
14	Robt. L. Ewing.....	Salary, September.....	73. 40
17	The Garfield Land Association.	Land rent, July 1 to Sept. 30.....	450. 00
31	R. G. Blaine.....	Salary for October.....	168. 50
Nov. 9	Alvord H. Rose.....	Salary and expenses, October.....	219. 67
9	John Hume.....	do.....	60. 60
9	L. H. Wheeler.....	Repairs to windmills, etc.....	274. 00
12	Andrew C. Osborn.....	Labor, October.....	60. 60
12	Alonzo Butterworth.....	do.....	60. 60
12	Wm. Herbert Lowe.....	Salary and expenses, October.....	162. 25
12	Jos. Baldwin.....	Labor, Oct. 3 to 19.....	22. 50
12	Robert L. Ewing.....	Salary for October.....	75. 80
29	J. A. Harwood and H. J. Harwood.	Land rent, Littleton, Mass., July 1 to Oct. 15, 1892.....	87. 50
30	R. G. Blaine.....	Salary for November.....	163. 00
Dec. 5	Alvord H. Rose.....	Salary and expenses for November.....	210. 54
5	John Hume.....	Labor for November.....	58. 80
6	W. O. Bush.....	Feed and coal.....	54. 25
10	Wm. Herbert Lowe.....	Salary and expenses, November.....	158. 33
10	Andrew C. Osborn.....	Labor, November.....	58. 80
10	Alonzo Butterworth.....	do.....	58. 80
13	Robert L. Ewing.....	Salary for November.....	73. 40
14	Albert Hassall.....	Traveling expenses in September and November.....	13. 00
24	R. G. Blaine.....	Expenses, Oct. 26 to Nov. 5.....	29. 06
31	do.....	Salary for December.....	168. 50
	Total second quarter.....		3, 314. 62
1893.			
Jan. 5	The Garfield Land Association.	Land rent, Oct. 1 to Dec. 31.....	450. 00
10	John Hume.....	Labor for December.....	60. 60
10	Alonzo Butterworth.....	do.....	60. 60
10	Andrew C. Osborn.....	do.....	60. 60
10	Wm. Herbert Lowe.....	Salary and expenses for December.....	163. 72
10	Alvord H. Rose.....	do.....	215. 76
13	Joshua Williams.....	Labor in December.....	7. 00
13	Robert L. Ewing.....	Salary for December.....	75. 80

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

QUARANTINE STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 26	The New York and New Jersey Telephone Co.	Telephone rent, Garfield, N. J., Oct. 1 to Dec. 31.	\$18.75
31	R. G. Blaine	Salary for January	172.20
Feb. 9	Alvord H. Rose	Salary and expenses for January	219.71
9	John Hume	Labor for January	62.00
9	Alonzo Butterworth	do	62.00
9	Andrew C. Osborn	do	62.00
9	Wm. Herbert Lowe	Salary and expenses for January	166.81
11	News Publishing Co.	Advertising, January	2.25
14	Robert L. Ewing	Salary for January	77.50
14	Baltimore and Ohio R.R. Co.	Rent of land, July 1 to Dec. 31, 1892	112.50
14	A. M. Farrington	Expenses, Dec. 2, 1892, to Jan. 31, 1893.	14.53
28	R. G. Blaine	Salary for February	155.60
Mar. 7	Philip H. Lenderking	Zinc pans, etc	10.00
13	John Hume	Labor, February	56.00
13	Alvord H. Rose	Salary and expenses, February	197.23
13	Robert L. Ewing	Salary for February	70.00
14	Alonzo Butterworth	Labor for February	56.00
14	Andrew C. Osborn	do	56.00
14	Wm. Herbert Lowe	Salary and expenses for February	158.50
16	Albert Hassall	Traveling expenses, Dec. 15 and 22	3.57
30	J. A. Harwood	Land rent, Littleton, Mass., July 1 to Dec. 31, 1892.	100.00
31	R. G. Blaine	Salary for March	172.20
	Total third quarter		3,099.51
Apr. 11	John Hume	Labor for March	62.00
11	Alvord H. Rose	Salary and expenses for March	219.71
14	Quandt Brothers	Chloride of lime	5.00
15	The Garfield Land Association	Land rent, Jan. 1 to Mar. 31, 1893.	450.00
17	Frank J. Illig	Hardware	11.04
17	William H. Wade	Salary, Mar. 9 to 31	57.50
17	New York and New Jersey Telephone Co.	Telephone rent, Jan. 1 to Mar. 31	18.75
17	Andrew C. Osborn	Labor, March	62.00
17	Alonzo Butterworth	do	62.00
17	Wm. Herbert Lowe	Salary and expenses, March	167.45
17	R. G. Blaine	Salary, Apr. 1 to 15	82.42
20	John W. Craig, jr.	Repairing pump	10.00
20	David F. Stone	Labor in March and April	12.50
25	Thomas Farthing	Rent of stable, Buffalo, March	25.00
28	J. A. Harwood and H. J. Harwood	Rent of land, Littleton, Mass., Oct. 16 to Apr. 15.	150.00
May 1	Robert H. Hughes, executor	Salary of Robt. L. Ewing, Mar. 1 to 6	15.00
1	Chas. A. Flack	Water pipes, etc	6.98
10	John Hume	Labor for April	59.30
10	Alvord H. Rose	Salary and expenses for April	209.66
10	Wm. H. Wade	do	74.20
10	Frank Orbenoski	Hauling, April	12.00
12	Andrew C. Osborn	Labor for April	59.30
12	Alonzo Butterworth	do	59.30
12	Wm. Herbert Lowe	Salary and expenses for April	64.45
13	Thomas Farthing	Rent of stable, April	25.00
15	R. G. Blaine	Salary, Apr. 16 to May 15	164.84
June 6	Thacher & Ireland	Shingles	5.00
6	Geo. Preist	Posts, etc	18.00
6	C. P. Kuesella	Carbolic acid	.90
6	Ch. Hubinger	Hardware	7.77
6	W. O. Bush	Feed	72.43
12	Albert Hassall	Traveling expenses, May 6 to 20	5.55
12	Alvord H. Rose	Salary for May	213.00
12	John Hume	do	61.40
13	Wm. Herbert Lowe	do	159.20
13	Alonzo Butterworth	do	61.40
13	Andrew C. Osborn	do	61.40
13	Thomas Farthing	Rent of stable for May	25.00
17	Wm. H. Wade	Salary for May	76.60
	Total fourth quarter		3,013.05
	Supplemental.		
July 3	J. A. Harwood	Land rent, Littleton, Mass., Jan. 1 to June 30.	100.00
3	Garfield Land Association	Land rent, Garfield, N. J., Apr. 1 to June 30.	450.00
18	Wm. H. Wade	Salary for June	74.20
18	Andrew C. Osborn	do	59.30

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

QUARANTINE STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1893.			
July 18	New York and New Jersey Telephone Co.	Telephone rent Apr. 1 to June 30.....	\$18.75
18	Alonzo Butterworth	Salary for June.....	59.30
19	John Hume.....	do.....	59.30
20	Thomas Farthing.....	Rent of stable, June.....	25.00
21	Albert Hassall.....	Traveling expenses, June.....	1.90
22	A. M. Farrington.....	Traveling expenses in May and June.....	4.81
24	Wm. Herbert Lowe.....	Salary and expenses for June.....	153.85
24	August Eidman.....	Repairing water pipes.....	25.00
25	Baltimore and Ohio R. R. Co.....	Land rent, Jan. 1 to Mar. 1, 1893.....	56.25
25	Oden A. Lowman.....	Services in June.....	13.50
Oct. 2	J. A. Harwood and H. J. Harwood.	Land rent, Apr. 16 to June 30, 1893.....	62.50
	Total.....		1,163.66

RECAPITULATION.

First quarter.....	\$1,983.89
Second quarter.....	3,314.62
Third quarter.....	3,099.51
Fourth quarter.....	3,013.05
Supplemental.....	1,163.66
Total.....	12,574.73

EXPERIMENTS IN THE MANUFACTURE OF SUGAR.

Date.	Name.	Nature of payment.	Total.
1892.			
July 31	D. C. Sutton.....	Salary for July.....	\$101.10
31	Walter Maxwell.....	do.....	151.60
Aug. 2	C. I. Hinman.....	do.....	101.10
3	The George L. Squire Manufacturing Co.	Cane mills.....	160.00
3	George Selzer <i>et al.</i>	Labor in July.....	88.61
6	B. E. Wadsworth.....	Services self and team in July.....	15.00
6	C. I. Hinman.....	Livery, July.....	24.00
6	Albert Hada.....	Services self and team in July.....	30.00
6	Joe Clemmings <i>et al.</i>	Labor, July 16 to 31, inclusive.....	40.00
6	C. B. Edson.....	Salary, July.....	84.20
8	Wells & Nieman.....	Teamster and team in July.....	15.62
8	Mrs. J. E. Lapache.....	Office rent, Schuyler, Nebr., July.....	16.00
8	Fred Weaver.....	Hire of horse and buggy, July.....	30.00
10	C. R. Howard & Co.....	Litmus paper, etc.....	2.25
10	Showl Bros.....	Brasses for engine.....	2.50
10	Alice E. Clements.....	Rent of laboratory, Sterling, Kans., July.....	7.50
10	Irish & Quigley.....	Lumber.....	22.20
10	J. Hanna.....	Hardware, etc.....	77.37
10	A. A. Denton.....	Salary for July.....	101.10
11	Hamilton Pollock <i>et al.</i>	Labor for July.....	421.88
12	C. I. Hinman.....	Freight and drayage.....	4.20
16	Jacob A. Pence.....	Hardware.....	6.15
17	Chas. J. Safarik.....	Paris green.....	2.70
17	Walter Maxwell.....	Expenses in July.....	71.60
17	Eli Benedict <i>et al.</i>	Labor, July.....	118.50
17	Glen O'Brien.....	Porter steam evaporator.....	125.00
17	Frank Lawhead.....	Brick, Sterling, Kans.....	5.00
20	A. L. Duncan <i>et al.</i>	Labor, July.....	345.00
22	Joe Clemmings <i>et al.</i>	Labor, Aug. 1 to 15.....	42.25
22	do.....	Labor in July, 1 to 15.....	38.00
24	Clarkson Bros.....	Advertisements, August.....	3.60
25	W. H. Hurd.....	do.....	9.00
26	Oma Carr.....	Expenses, Washington to Indianapolis, August.....	4.50
30	Goodman Drug Co.....	Paris green.....	4.00
31	John L. Fuelling.....	Salary, Aug. 15 to 31, inclusive.....	83.15
31	D. C. Sutton.....	Salary for August.....	101.10
31	Oma Carr.....	Salary, Aug. 13 to 31, inclusive.....	83.15
31	Walter Maxwell.....	Salary for August.....	151.60
31	Edward Lamhofer.....	Paris green, etc.....	7.20
Sept. 3	Mrs. J. E. Lapache.....	Rent of rooms, Schuyler, Nebr.....	16.00
3	Fred Weaver.....	Hire of horse and buggy, August.....	30.00
3	C. J. Hinman.....	Salary, August.....	101.10

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

EXPERIMENTS IN THE MANUFACTURE OF SUGAR—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 5	Walter Maxwell	Expenses for August	\$47.90
5	George Selzer <i>et al</i>	Labor in August	107.25
5	R. F. Lang	1 bale of beet seeds	2.85
7	C. B. Edson	Salary for August	84.20
9	Edward Lamhofer	Paris green, etc	2.00
9	Wells & Nieman	Hire of team	28.75
9	J. W. Stewart	Lumber, etc	51.51
9	Jacob A. Pence	Wash tubs, etc	8.70
10	J. Y. Gilmore	Advertising, July 30	5.00
10	Ripley Cider Purifying Co.	Materials furnished, August	4.75
10	Alice E. Clement	Rent of building, August	7.50
10	Badger Lumber Co.	Fencing, etc	8.88
10	C. I. Hinman	Expenses in August	21.00
10	C. A. Carson	Oats, beans, etc	57.13
10	Louisiana Planter and Sugar Manufacturing Co.	Advertising	10.88
12	John C. Parker	Blank books, etc	43.83
13	O. Dewalt <i>et al</i>	Salaries for August	434.35
15	Oma Carr	Expenses in August	14.25
15	T. C. Trescot	Expenses in September	15.25
15	Kate Lammiman <i>et al</i>	Salaries for August	452.16
15	E. K. Porter	Land rent, Sterling, July 1 to Nov. 1	5.32
15	do.	do.	33.96
15	E. D. Gilman	Jars, flasks, etc	110.00
15	John M. Williams	Hauling	.25
16	Pennsylvania R. R. Co	Transportation, Carr <i>et al</i> , August	32.00
16	Seaton Perry	Towels	13.92
16	Adams Express Co.	Transportation in July	3.75
17	H. W. Wiley	Traveling expenses, September	9.75
17	Z. D. Gilman	Jars, filter paper, etc	413.98
19	do.	do	692.43
19	C. I. Hinman	Expenses in August	14.62
22	R. J. Shay	Buckets, etc	4.55
22	C. R. Howard & Co.	Drugs and chemicals	24.90
22	J. Hanna	Hardware, etc	149.61
24	Irish & Quigley	Lumber, etc	37.39
24	Asa Campbell <i>et al</i>	Labor, Sept. 1 to 17	740.78
27	M. B. Clement <i>et al</i>	Labor, August	146.50
27	Kate Lammiman	Services, teamsters and teams, July	285.00
30	Fremont, Elkhorn and Missouri Valley R. R. Co.	Transportation, Maxwell, August	2.20
30	A. M. Parsons	Cans and jugs	7.85
30	D. C. Sutton	Salary for September	97.80
30	Joe Clemmings <i>et al</i>	Labor in August	26.00
30	do.	Labor, Sept. 1 to 15	26.00
30	Oma Carr	Salary for September	146.80
30	Walter Maxwell	do	146.80
30	T. C. Trescot	do	146.80
30	Jno. L. Fuelling	do	146.80
	Total first quarter		7,718.73
Oct. 1	C. B. Edson	Salary for September	81.60
1	C. I. Hinman	do	97.80
3	Adams Express Co.	Transportation in August	137.50
4	The Norris Peters Co.	Photolithographing, etc	10.00
4	Eimer & Amend	Sucrose pipettes	6.25
4	Mrs. J. E. Lapache	Office rent, September, Schuyler, Nebr.	16.00
4	Fred. Weaver	Hire of horse and buggy, September	30.00
4	George Selzer <i>et al</i>	Labor for September	101.12
6	Walter Maxwell	Expenses in September	34.75
7	H. W. Wiley	Additional compensation, July 1 to Sept. 30	125.00
10	Joe Clemmings <i>et al</i>	Labor in September	23.75
10	Z. D. Gilman	Flasks, etc	63.99
10	Terre Haute and Indianapolis R. R. Co.	Transportation, Carr <i>et al</i> , August	38.06
12	C. I. Hinman	Livery, September	26.00
13	J. L. Anderson	Coal	20.80
13	Wells & Nieman	Teamster and team, September	43.75
13	H. B. Newman	Land rent, July to Oct., 1892	13.33
15	J. Hanna	do	60.00
15	J. H. Ricksecker	do	58.33
15	William Fitzpatrick	do	70.00
15	Wm. Scheth	do	89.33
15	D. E. McVey	do	15.17
15	D. H. Bailey	do	8.00
15	R. J. Shay	do	3.33
20	Eimer & Amend	Sugar flasks, etc	66.60
31	Jno. L. Fuelling	Salary for October	151.60

EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

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Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

EXPERIMENTS IN THE MANUFACTURE OF SUGAR—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 31	Oma Carr	Salary for October	\$151.60
Nov. 1	C. B. Edson	do	84.20
1	St. Louis and San Francisco Rwy. Co.	Freight charges, August	2.79
2	M. B. Clement	Salary, Oct. 15 to 31	55.43
2	Walter Maxwell	Salary for October	151.60
2	T. C. Trescot	do	151.60
3	Geo. Elliott <i>et al</i>	Labor in September	314.92
3	J. M. Evans <i>et al</i>	Labor, Oct. 1 to 15	507.90
4	Joe Clemmings <i>et al</i>	do	58.50
4	George Selzer <i>et al</i>	Labor for October	222.50
4	T. Campbell <i>et al</i>	Labor, Sept. 17 to 30	569.67
4	do	Labor, Oct. 1 to 17	670.38
4	Noble & Case	Farming implements	52.10
7	S. L. Allen	Tags and pencils	1.25
7	Romig & Pinkerton	Sharpening plows, etc.	9.65
7	C. I. Hinman	Livery, October	22.00
7	Day & Records	Chemicals	46.35
7	Chase & Allen	Hardware, etc.	46.85
7	Edward Lamhofer	Acid, brush, etc.	2.95
7	Mrs. J. E. Lapache	Office rent, October	16.00
7	E. Weaver	Teamster and team, Oct. 10 to 25	27.50
7	Fred. Weaver	Livery, October	30.00
7	Walter Maxwell	Expenses	31.00
7	Jacob A. Pence	Refrigerator, hardware, etc.	42.80
7	Wells & Nieman	Teamsters and team, October	67.50
7	S. L. Lupfer	Seed (rice)	6.00
7	Joe Clemmings <i>et al</i>	Labor, Oct. 16 to 31	63.75
7	D. C. Sutton	Salary for October	101.10
7	C. I. Hinman	do	101.10
8	M. B. Clement	Traveling expenses in October	63.60
8	Adams Express Co.	Transportation in September	11.65
9	The Geo. L. Squier Manufacturing Co.	Scrapers	1.50
10	Z. D. Gilman	Filters, labels, etc.	75.96
14	John C. Parker	Ledger paper and tags	19.35
16	C. L. Bramwell	Lumber	43.01
16	F. W. Berry	Services, self and team, July	60.00
17	S. A. Johnson, collector	Charges on machinery and seeds	1.65
18	Forsberg & Murray	Korting injector	43.50
23	C. B. Edson	Salary, Nov. 1 to 15	40.76
25	C. A. Carson	Feed	33.69
25	Joe Clemmings <i>et al</i>	Labor, Nov. 1 to 15	102.05
25	J. J. Dann	Repairing wagon, etc.	8.35
29	T. C. Trescot	Traveling expenses, November	15.25
30	D. C. Sutton	Salary for November	97.80
Dec. 2	The Atchison, Topeka and Santa Fe R. R. Co.	Transportation, fuelling, October	20.25
2	T. C. Trescot	Salary for November	146.80
3	C. I. Hinman	do	97.80
5	M. B. Clement	do	97.80
5	Walter Maxwell	do	146.80
7	Joe Clemmings <i>et al</i>	Labor, Nov. 16 to 30	166.20
7	Oma Carr	Expenses in November and December	19.50
8	Collector of customs	Storage and blanks	.50
12	Adams Express Co.	Transportation, October	6.20
13	Chicago, Burlington and Quincy R. R. Co.	Freight charges on chemical glassware	2.48
13	Vandalia Line	Freight charges on sugar mill	4.36
14	Peter Denst	Hauling sugar cane	21.85
15	United States Express Co.	Transportation, November	12.08
16	George W. Knox Express	Freight on machinery	16.40
16	Pennsylvania Railroad Co.	Transportation, Spencer, October	28.00
16	Crane Company	Pulleys and belts	25.47
21	Geo. W. Knox Express	Freight and drayage, November	2.29
22	L. M. Axline	Tickets for seed heads	2.00
30	Adams Express Co.	Transportation, November	3.95
31	D. C. Sutton	Salary for December	101.10
31	M. B. Clement	do	101.10
31	H. W. Wiley	Traveling expenses, December	11.05
31	do	Traveling expenses, Nov. 12 to 28	139.00
31	do	Traveling expenses, Oct. 10 to 26	148.60
Total second quarter			6,940.76
1893.			
Jan. 9	Dippe Brothers	Sugar beet seed and bags	8.49
9	H. W. Wiley	Additional compensation, Oct. 1 to Dec. 31	125.00
10	W. S. Finney	Leather	.60

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

EXPERIMENTS IN THE MANUFACTURE OF SUGAR—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 10	L. Southworth	Acetate of lead, etc.	\$1.90
10	Steve Garrison	Blacksmith, labor and materials	2.50
10	E. Roy Hinman	Labor in December	11.25
10	Allan Thomas	Cassava plants	17.50
10	Joe Clemmings <i>et al.</i>	Labor, Dec. 16 to 31	157.05
11	C. I. Hinman	Livery in December	6.00
11	D. C. Sutton	Freight on lumber	7.00
14	Z. D. Gilman	Flasks	60.00
16	R. K. Hendley	Photographs	8.00
18	George Selzer	Labor, Dec. 1 to 20	21.29
19	C. A. Carson	Feed	23.64
19	Atchison, Topeka and Santa Fe R. R. Co.	Transportation, Oma Carr, November	20.85
24	D. C. Sutton	Freight on lumber and roots	8.02
24	Joe Clemmings <i>et al.</i>	Labor, January 1 to 15	169.15
27	C. I. Hinman	A two-horse power	10.00
31	D. C. Sutton	Salary for January	103.30
31	M. B. Clement	do	103.30
Feb 7	D. C. Sutton	Freight on lumber	9.52
7	L. N. Snell	Lumber	129.58
7	Joe Clemmings <i>et al.</i>	Labor, Jan. 16 to 31	257.86
9	G. L. Spencer	Expenses in October	17.50
10	Geo. Moore	Thrashing cane seed	1.57
10	Wilsey E. Stout	do	5.25
10	Martin Thompson	do	5.00
10	C. G. Dye	do	6.00
10	S. T. Roach	Hauling	4.35
10	Warren Simpson	Thrashing cane seed	2.62
13	Pet. A. Lemaire	Transportation, beet seed	9.43
15	Adams Express Co	Transportation, December	8.15
16	S. A. Johnson	Duty on sugar-beet seed	.50
18	A. H. Bennett	Thrashing cane seed	1.05
18	E. D. Wood	do	2.62
18	Wm. Decker	do	2.62
18	J. D. McCoy	do	2.62
20	Pennsylvania Company	Transportation, Carr, Dec., 1892	17.50
21	Joe Clemmings <i>et al.</i>	Labor, Feb. 1 to 15	123.75
27	A. Sutton	Surgical operation, etc	10.00
28	D. C. Sutton	Salary for February	93.40
Mar. 1	C. I. Hinman	do	93.40
3	M. B. Clement	do	93.40
6	J. M. Rusk	Traveling expenses to Kissimmee, Fla.	24.00
9	W. H. Harmon	Sacks	5.20
9	Eli Benedict	Labor and wheat	15.75
9	C. G. Dye <i>et al.</i>	Labor, February	7.50
15	John M. Williams	Hauling	.26
16	F. W. Hill	Feed	20.19
17	United States Express Co	Transportation, February	2.30
18	Walter Maxwell	Traveling expenses, Feb. 28 to Mar. 2	16.00
20	Jacob Reese	Phosphate	3.64
20	Thos. H. White & Co	Fertilizer	18.09
20	People's Dispatch Co	Transportation, January	1.21
23	Joe Clemmings <i>et al.</i>	Labor, Mar. 1 to 15	53.50
29	J. L. Anderson	Coal	21.20
31	D. C. Sutton	Salary for March	103.30
31	H. W. Wiley	Additional compensation for quarter ending Mar. 31, 1892.	125.00
31	Miller & Benedict	Land rent, Medicine Lodge, Kans., July 1, 1892, to Feb. 28, 1893.	131.66
	Total third quarter		2,321.33
Apr. 5	Vilmorin, Andrieux & Co.	Beet seed, shipping, etc.	15.31
12	C. I. Hinman	Salary for March	103.30
12	A. M. Parsons	Board, etc., W. Maxwell, March	48.85
12	Fred. Weaver	Livery for W. Maxwell, March	28.00
12	Joe Clemmings <i>et al.</i>	Labor, Mar. 16 to 31	42.50
12	Theo. Pabst & Co.	Duty, etc., on beet seed	5.07
12	Atchison, Topeka and Santa Fe R. R. Co	Transportation sugar mill, August, 1892.	2.59
13	Pennsylvania R. R. Co	Transportation, Maxwell, February	31.80
13	Alice E. Clement	Rent building, Dec. 1, 1892, to Feb. 28, 1893.	22.50
14	Adams Express Co	Transportation, February	5.30
21	People's Dispatch Co	Transportation, March	7.03
22	Joe Clemmings <i>et al.</i>	Labor, Apr. 1 to 15	40.00
26	Wells & Nieman	Services teamster and team, March	3.75
26	George Selzer <i>et al.</i>	Labor for March	122.49
30	D. C. Sutton	Salary for April	98.90
May 2	C. I. Hinman	do	98.90

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

EXPERIMENTS IN THE MANUFACTURE OF SUGAR—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
May 4	Fred. Weaver	Livery for April	\$30.00
4	A. M. Parsons	Board, etc., W. Maxwell, April	50.05
5	Wells & Nieman	Services teamster and team, April	38.70
5	Joe Clemmings <i>et al</i>	Labor, Apr. 16 to 30	45.00
11	Alice E. Clement	Rent of building, Mar. 1 to Apr. 30, 1893	15.00
16	Robert Kiehle	Sugar-beet machine, etc.	85.30
16	F. W. Hill	Feed, Apr. 10 and May 9	41.68
16	L. Bailey <i>et al</i>	Labor, April	83.85
16	George Selzer <i>et al</i>	do	103.25
17	Thos. Somerville & Sons	Beet cutter	1.35
18	M. B. Clement	Expenses in March	61.75
24	Vandalia Line	Transportation books, February	.89
25	Joe Clemmings <i>et al</i>	Labor, May 1 to 15	40.75
25	C. W. Grimstead	Cotton-seed meal, etc.	149.89
31	D. C. Sutton	Salary for May	102.20
June 5	Walter Maxwell	do	153.40
5	Fred. Weaver	Livery hire, May	31.00
5	A. M. Parsons	Rent room, May	51.00
5	Wells & Nieman	Livery hire, May	20.00
10	Southern Pacific Co. (Atlantic system).	Transportation, H. W. Wiley, June	5.40
10	Alice E. Clement	Rent building, May	7.50
10	Joe Clemmings <i>et al</i>	Labor, May 15 to 31	40.75
20	United States Express Co.	Transportation, May	2.75
22	Joe Clemmings <i>et al</i>	Labor, June 1 to 15	28.25
22	Chicago, Burlington and Quincy R. R. Co.	Freight transportation, February and March	8.83
28	J. W. Stewart	Oak post	1.20
28	Edward Lamhofer	Hydrochloric acid	2.50
28	A. M. Parsons	Beet seed, etc.	2.75
28	Ciril Schmid	Repairing harrow, etc.	4.75
28	Wells & Nieman	Seed oats, etc.	13.66
30	H. W. Wiley	Additional temporary compensation, Apr. 1 to June 30	125.00
30	Walter Maxwell	Salary for June	148.30
30	D. C. Sutton	do	98.90
	Total fourth quarter		2,271.89
	<i>Supplemental.</i>		
July 19	J. Hanna	Nails, hammer, etc.	1.45
19	C. I. Hinman	Salary for June	98.90
19	Eli Benedict	Plowing, etc., in June	116.50
19	J. W. Watson	Hardware, etc.	6.87
19	do	Oil, turpentine, etc.	34.38
19	do	Oil, etc.	129.93
19	Alice E. Clement	Rent of laboratory at Sterling, June	7.50
19	Lee Stewart <i>et al</i>	Labor in June	12.99
19	Joe Clemmings <i>et al</i>	Labor, June 16 to 30	24.50
20	Geo. W. Knox Express	Freight and drayage in April	63.91
21	John A. Power & Co.	Lavatory	5.63
27	C. L. Bramwell	Lumber	6.91
31	C. W. Pease <i>et al</i>	Labor—teamster and team, June	66.60
Aug. 2	F. W. Hill	Feed	21.04
4	A. A. Denton	Services, June 24 to 30	24.00
28	J. B. Gano	Cartage in March and April	.75
	Transportation order		103.81
	Total		725.67

RECAPITULATION.

First quarter	\$7,718.73
Second quarter	6,940.76
Third quarter	2,321.33
Fourth quarter	2,271.89
Supplemental	725.67
Total	19,978.38

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

AGRICULTURAL EXPERIMENT STATIONS.

Date.	Name.	Nature of payment.	Total.
1892.			
July 31	W. O. Atwater	Salary for July	\$151.60
31	A. W. Harris <i>et al.</i>	Salaries for July	1,189.30
Aug. 2	John C. Parker	Library Journal, 1 year	5.00
20	United States Express Co.	Transportation	1.70
22	B. Westermann & Co.	One book	6.90
31	W. O. Atwater	Salary for August	151.60
31	A. W. Harris <i>et al.</i>	Salaries for August	1,189.30
Sept. 9	A. W. Harris	Traveling expenses to Rochester, N. Y.	50.79
30	W. O. Atwater	Salary for September	146.80
30	A. W. Harris	Salaries for September	1,151.40
	Total first quarter		4,044.39
Oct. 1	A. E. Foote	Phosphates	2.50
5	A. B. Seymour	Index of Fungi	3.00
10	Chesapeake and Potomac Telephone Co.	Telephone rent, July 1 to Sept. 30	30.00
15	Alfred Thomson	Labor, Oct. 1 to 15	29.35
19	B. Westermann & Co.	Jahresbr. über Agric. Chemie	55.00
31	A. W. Harris <i>et al.</i>	Salaries for October	1,246.60
Nov. 2	W. O. Atwater	Salary for October	151.60
8	Adams Express Co.	Transportation in September	6.30
14	John C. Parker	Stationery, etc.	13.39
17	Byron S. Adams	Numbered cards	5.00
28	John C. Parker	Stencil paper, etc.	3.35
29	A. C. True	Traveling expenses, Nov. 10 to 20	45.20
30	W. O. Atwater	Salary for November	146.80
30	S. E. Black	Traveling expenses, Nov. 9 to 21	39.20
30	E. W. Allen	Traveling expenses for November	56.98
30	A. W. Harris <i>et al.</i>	Salaries for November	1,019.20
Dec. 2	L. Paparelli	Two articles on Italy	50.00
6	A. W. Harris	Traveling expenses to Chicago and New Orleans, November.	56.35
8	Geo. W. Knox Express	Drayage, October	.25
12	Adams Express Co.	Transportation, October	.85
16	Pennsylvania R. R. Co.	Transportation, Harris <i>et al.</i> , November	34.00
16	Orange Judd Co.	Highway construction	5.00
17	Belt & Dyer	Lumber	15.00
21	M. Maercker	Article on Halle Experimental Station	61.32
22	John C. Parker	Cherry bookcase	12.50
31	W. O. Atwater	Salary for December	151.60
31	A. W. Harris <i>et al.</i>	Salaries for December	977.10
	Total second quarter		4,217.44
1893.			
Jan. 4	Illinois Central R. R. Co.	Transportation, Harris <i>et al.</i> , November	46.00
10	Chesapeake and Potomac Telephone Co.	Telephone rent, Oct. 1 to Dec. 1	30.00
11	The Rural Publishing Co.	Horticulturalist's Rule Book	1.00
14	B. Westermann & Co.	Foreign publications	21.66
16	Louisville and Nashville R. R. Co.	Transportation, Harris <i>et al.</i> , November	91.70
27	The Atlanta and West Point R. R. Co.	Transportation, Allen, November	3.27
27	The Western Railway of Alabama.	do	11.60
31	E. W. Allen	Railroad fare, Washington to Barnesville, Md., and return.	1.60
31	A. W. Harris <i>et al.</i>	Salaries for January	1,339.01
Feb. 1	P. Mann	Seeds for testing	1.00
2	N. V. Randolph & Co.	Pamphlet, boxes, etc.	43.32
3	J. H. Mills & Co.	Printers' supplies	63.44
11	F. L. Harvey	Experiment stations bulletins	4.00
11	Geo. W. Knox Express	Drayage	.25
16	Richmond and Danville R. R.	Transportation, Allen, November	21.60
23	W. O. Atwater	Salary for January	155.00
28	do	Salary for February	140.00
28	A. W. Harris <i>et al.</i>	Salaries for February	1,332.00
Mar. 2	Barber & Ross	Hardware	3.70
7	Estelle S. Allen	Translating	50.00
15	Pennsylvania R. R. Co.	Transportation, Harris, February	11.50
17	New York and New England R. R. Co.	do	2.90
21	Adams Express Co.	Transportation, January	2.00
28	A. W. Harris	Traveling expenses to Philadelphia and return, March.	11.30
28	do	Traveling expenses to Boston, etc., and return, February.	18.98
28	N. Zuntz	Article on sources of muscular power of animals.	25.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

AGRICULTURAL EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 29	Geo. W. Knox Express.....	Freight and drayage	\$0.50
31	W. O. Atwater	Salary for March	155.00
31	A. W. Harris <i>et al</i>	Salaries for March	1,264.20
	Total third quarter		4,851.53
Apr. 8	The Chesapeake and Potomac Telephone Co.	Telephone rent, Jan. 1 to Mar. 31, 1893	30.00
10	Wyckoff, Seamans & Benedict.	Rubber covers	4.00
12	B. Westermann & Co.	Foreign publication	11.25
12	Hannah F. Smith	Subscriptions	12.65
13	United States Express Co.	Transportation, March	1.35
14	Office Specialty Manufacturing Co.	Cabinet, indexes, etc.	4.60
20	Library Bureau	Card index case	7.50
20	N. V. Randolph & Co.	Pamphlet cases	14.00
22	B. Westermann & Co.	Foreign publication .....	.90
29	W. B. Moses & Sons	Desk	35.00
29	Walter H. Evans	Expenses, trip to Philadelphia and return, Mar. 31 to Apr. 1.	11.05
30	A. W. Harris <i>et al</i>	Salaries for April	1,260.60
May 1	New York, New Haven and Hartford R. R. Co.	Transportation, Harris, February	8.60
6	Office Specialty Manufacturing Co.	Copying paper	15.00
11	W. O. Atwater	Salary for April	148.30
12	Westcott & Thomson	Electros	6.00
13	Adams Express Co.	Transportation in March	3.50
13	Geo. W. Knox Express	Drayage, Mar. 31 .....	.50
17	United States Express Co.	Transportation in April .....	.95
19	John C. Parker	Wheels for typewriter	15.00
24	Library Bureau	Index case and express charges	17.45
31	W. O. Atwater	Salary for May	153.40
31	A. W. Harris <i>et al</i>	Salaries for May	1,426.60
June 20	B. Westermann & Co.	Foreign publications	130.95
20	Library Bureau	1 Accession Book	9.50
20	W. O. Atwater	Freight, storage, etc., on photographs	12.25
20	United States Express Co.	Transportation, May	2.45
22	Adams Express Co.	do	7.30
23	Library Bureau	Book supports	31.00
30	A. W. Harris <i>et al</i>	Salaries for June	1,522.60
	Total fourth quarter		4,904.25
	<i>Supplemental.</i>		
July 6	W. A. Atwater	Salary for June	148.30
19	John C. Parker	Repairing type wheel	1.00
19	do	Letter book, etc.	2.10
19	do	Simplex printer	7.00
20	Herman Baumgarten	Type	2.50
20	The Chesapeake and Potomac Telephone Co.	Telephone rent, Apr. 1 to June 30	30.00
20	L. H. Hopkins	Hardware .....	.84
21	N. V. Randolph & Co.	Pamphlet boxes	39.00
24	Adams Express Co.	Transportation in June	7.90
27	United States Express Co.	do	2.80
Aug. 16	W. O. Atwater	Expenses, Feb. 22 to Mar. 1	36.75
25	Howard B. Gibson	Translating	119.35
Sept. 19	Emile De Moussy	Article on Grignon experiment station	40.00
Oct. 3	Library Bureau	Steel book-stack	50.00
Nov. 6	H. Hellriegel	Article on Bernburg experiment station	100.00
6	O. Burchard	Article on "seed control"	50.00
6	A. Gre e	Article on Swiss experiment stations	50.00
6	Adolph Mayer	Article on Holland experiment stations	25.00
	Total		712.54

RECAPITULATION.

First quarter	\$4,044.39
Second quarter	4,217.44
Third quarter	4,851.53
Fourth quarter	4,904.25
Supplemental	712.54
Total	18,730.15

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—SALARIES.

Date.	Name.	Nature of payment.	Total.
1892.			
July 31	Mark W. Harrington <i>et al</i>	Salaries for July	\$13,848.84
31	John W. Ryan <i>et al</i>	do	70.17
Aug. 1	H. C. Bate	Salary for July	151.60
1	N. B. Conger	do	151.60
1	T. F. Townsend	do	151.60
31	Mark W. Harrington <i>et al</i>	Salaries for August	13,793.87
31	N. B. Conger	Salary for August	151.60
31	John W. Ryan <i>et al</i>	Salaries for August	70.63
Sept. 1	T. F. Townsend	Salary for August	151.60
1	H. C. Bate	do	151.60
30	Mark W. Harrington <i>et al</i>	Salaries for September	13,639.05
30	Walter K. Durnbaugh <i>et al</i>	do	69.00
Total first quarter			42,401.16
Oct. 1	H. C. Bate	Salary for September	146.80
1	T. F. Townsend	do	146.80
31	Mark W. Harrington <i>et al</i>	Salaries for October	14,340.37
31	Walter K. Durnbaugh <i>et al</i>	do	70.50
Nov. 1	H. C. Bate	Salary for October	151.60
3	T. F. Townsend	do	151.60
30	Mark W. Harrington <i>et al</i>	Salaries for November	13,776.99
30	Walter K. Durnbaugh <i>et al</i>	do	69.00
Dec. 1	H. C. Bate	Salary for December	146.80
1	T. F. Townsend	do	146.80
31	Mark W. Harrington <i>et al</i>	Salaries for December	14,241.58
31	Thos. Washington <i>et al</i>	do	70.80
Total second quarter			43,459.64
1893.			
Jan. 2	H. C. Bate	Salary for December	151.60
2	T. F. Townsend	do	151.60
31	Mark W. Harrington <i>et al</i>	Salaries for January	14,751.15
31	H. F. Durkin	Salary from Nov. 12 to Jan. 12	67.57
31	Thos. Washington <i>et al</i>	do	72.30
Feb. 1	H. C. Bate	Salary for January	155.00
1	J. W. Smith	do	155.00
28	Mark W. Harrington <i>et al</i>	Salaries for February	13,355.65
28	Thos. Washington <i>et al</i>	do	65.40
Mar. 1	H. C. Bate	do	140.00
1	J. W. Smith	do	140.00
31	Mark W. Harrington <i>et al</i>	Salaries for March	14,748.71
31	Thos. Washington <i>et al</i>	do	72.30
Total third quarter			44,026.28
Apr. 1	J. W. Smith	Salary for March	155.00
4	H. C. Bate	do	155.00
11	H. F. Durkin	Salary from Mar. 14 to 15	2.50
30	Mark W. Harrington <i>et al</i>	Salaries for April	13,821.09
30	Thos. Washington <i>et al</i>	do	44.52
May 1	H. C. Bate	Salary for April	148.300
1	J. W. Smith	do	148.30
11	C. F. Marvin	do	206.00
31	Mark W. Harrington <i>et al</i>	Salaries for May	13,782.95
31	C. F. Marvin <i>et al</i>	do	332.20
31	Lucy Payne	Salary for May	20.40
June 1	H. C. Bate	do	153.40
1	J. W. Smith	do	153.40
30	Mark W. Harrington <i>et al</i>	Salaries for June	13,228.14
30	C. F. Marvin	Salary for June	206.00
30	F. J. Randolph	do	115.40
30	Lucy Payne	do	19.80
Total fourth quarter			42,692.40
<i>Supplemental.</i>			
July 1	H. C. Bate	Salary for June	148.30
1	J. W. Smith	do	148.30
5	R. S. Manger	Salary, Jan. 1 to 22 .....	.60
Total supplemental			297.20

RECAPITULATION.

First quarter	\$42,401.16
Second quarter	43,459.64
Third quarter	44,026.28
Fourth quarter	42,692.40
Supplemental	297.20
Total	172,876.68

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—FUEL, LIGHTS, AND REPAIRS.

Date.	Name.	Nature of payment.	Total.
1892.			
July 22	Hugh Reilly	Pane of glass	\$1.50
25	R. T. Fairfax	Hauling, etc	4.30
31	J. A. Hamilton <i>et al</i>	Labor for July	301.50
Aug. 8	Washington Gaslight Co	Gas for July	25.00
23	Thomas Somerville & Sons	Repairing elevator	24.30
23	Belt & Dyer	Window pane, etc	14.70
24	U. S. Electric Lighting Co	Electric current, July	24.55
24	James Nolan	Plumbing	35.07
30	Geo. Ryneal, jr	Paints, etc	58.60
30	F. A. Schneider	Iron bars	2.85
31	J. A. Hamilton <i>et al</i>	Labor for July	352.55
31	R. T. Fairfax	Hauling	2.50
Sept. 6	Church & Stephenson	Lumber	1.30
10	Geo. Ryneal, jr	Paints, etc	31.06
10	J. E. Hurley	Poker, etc	4.56
10	Washington Gaslight Co	Gas for August	25.20
14	The U. S. Electric Lighting Co	Electric current, August	40.75
14	Geo. Ryneal, jr	Pane of glass	1.84
23	do	Bronze gold leaf	2.05
30	William S. Deyo <i>et al</i>	Labor for September	319.330
	Total first quarter		1,273.51
Oct. 4	Ernest Betz	Labor and material, painting	4.00
8	do	Zinc, etc	6.50
12	The U. S. Electric Lighting Co	Electric current for September	34.29
12	Washington Gaslight Co	Gas for September	25.75
14	George Bowman	Hauling ashes	4.35
14	do	do	2.50
17	Joseph F. Collins	Labor and material, repairing building	89.18
19	Geo. Ryneal, jr	Glass	6.60
19	J. W. Thomas	Labor and material	380.40
Nov. 1	J. A. Hamilton <i>et al</i>	Labor for October	346.99
31	Wm. E. Wood & Co	Pipe coils, etc	252.52
3	Geo. Bowman	Hauling ashes in October	5.15
5	Chas. Werner	Wood	4.50
8	American Ice Co	Ice, August and October	196.85
11	W. T. Galliher & Bro	Lumber	47.93
11	John Moran	Lining grate with fire brick	8.00
14	Washington Gaslight Co	Gas for October	33.50
19	The U. S. Electric Lighting Co	Electric current, October	35.93
30	J. A. Hamilton <i>et al</i>	Labor for November	344.29
Dec. 1	Ernest Betz	Iron spout, etc	5.60
1	Thos. Somerville & Sons	Pipe, etc	4.54
1	James Nolan	Labor and material	33.20
1	E. G. Wheeler	Hose, etc	3.75
6	Geo. Bowman	Hauling	8.00
10	Washington Gaslight Co	Gas for November	37.75
10	The U. S. Electric Lighting Co	Electric current, November	37.84
16	American Ice Co	Coal	137.45
16	Geo. Ryneal, jr	Pane of glass, etc	2.90
16	E. N. Gray & Co	Water arch plate	79.00
16	John Moran	Repairing roof, etc	3.00
23	Geo. W. Schenerman	Tile floor	285.00
31	J. A. Hamilton <i>et al</i>	Labor for December	235.74
31	Daniel Perkins	Bricking up coal chute	4.50
31	Geo. Bowman	Hauling	8.35
31	Wm. A. Cassell	Services as painter	39.00
	Total second quarter		2,754.67
1893.			
Jan. 4	American Ice Co	Coal	148.18
11	Church & Stephenson	Cherry molding	19.00
12	W. T. Galliher & Bro	Lumber	36.80
12	Joseph F. Collins	Labor and material	64.56
12	Whittier Machine Co	Iron castings	12.59
12	John A. Power & Co	Check valve, etc	10.05
12	U. S. Electric Lighting Co	Electric current, December	43.60
17	Washington Gaslight Co	Gas for December	40.75
23	Thomas Somerville & Sons	Valves, etc	6.38
23	James B. Lambie	Weather strip	6.12
22	American Ice Co	Coal	161.48
23	Geo. Ryneal, jr	Brushes, lead, etc	4.51
23	Williams & Hanks	Radiator, etc	41.47
26	James Nolan	Plumbing	32.75
31	J. A. Hamilton <i>et al</i>	Labor for January	253.71
31	George Bowman	Hauling, December	2.95
31	do	Hauling, January	7.40
31	F. A. Schneider	Water-gauge glasses	1.20

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—FUEL, LIGHTS, AND REPAIRS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 3	American Ice Co	Coal	\$55.24
4	Washington Gaslight Co	Gas, January	54.25
7	Hendley & Biggs	Steam radiator	75.00
7	U. S. Electric Lighting Co	Electric current, January	41.83
10	Williams & Hanks	Steam radiator	45.00
10	do	Pipe	30.00
10	Hendley & Biggs	Valves, etc	8.96
16	American Ice Co	Coal	153.84
23	James Hughes	Labor and material	14.77
25	Thos. Somerville & Sons	do	35.09
28	Geo. Bowman	Removing ashes	4.30
28	do	do	7.50
28	J. A. Hamilton <i>et al</i>	Labor for February	254.00
28	Wm. A. Cassell	Services, Jan. 30 and 31, Feb. 25 to 27	12.00
Mar. 3	James Nolan	Labor and material	12.00
3	American Ice Co	Coal	114.72
13	James B. Lambie	Hardware	3.85
13	S. T. Shipley & Co	Repairs to boiler	6.00
13	Ernest Betz	Repairing roof	22.09
14	Washington Gaslight Co	Gas for February	55.75
14	U. S. Electric Lighting Co	Electric lights for February	35.50
15	John K. Ward	Covering steam pipes	7.50
15	Geo. Ryneal, jr	Asphaltum, etc	1.60
20	Pettit & Dripps	Grate bars	3.12
23	J. B. Hammond	Lumber	12.50
31	American Ice Co	Coal	160.92
31	J. A. Hamilton <i>et al</i>	Labor for March	306.48
31	Geo. Bowman	Removing ashes, etc	6.45
31	do	Removing ashes	5.20
	Total third quarter		2,438.96
Apr. 8	James Nolan	Plumbing	186.29
11	Geo. Ryneal, jr	Oils, etc	8.75
11	Washington Gaslight Co	Gas for March	52.25
13	U. S. Electric Lighting Co	Electric current, March	37.08
18	Thos. Somerville & Sons	Repairing ejector, etc	4.33
26	James Nolan	Labor and material	39.55
30	J. A. Hamilton <i>et al</i>	Labor for April	277.60
30	Geo. Bowman	Removing ashes	8.95
30	do	do	3.45
May 1	W. A. Pate	Soapstone packing	1.00
1	F. A. Schneider	Hardware	5.40
11	Washington Gaslight Co	Gas for April	42.75
14	U. S. Electric Lighting Co	Electric current, April	37.21
14	J. B. Hammond	Lumber	4.00
14	James Nolan	Gas burners, etc	54.00
13	Thos. Somerville & Sons	Repairing shafting	8.35
13	Ernest Betz	Repairing roof	8.20
19	American Ice Co	Coal	141.77
31	J. A. Hamilton <i>et al</i>	Labor for May	263.80
31	Geo. Bowman	Removing ashes	1.90
31	do	do	1.65
31	do	do	3.65
June 1	S. T. Shipley & Co	Repairs to boiler	5.00
1	James B. Lambie	Shelf blocks	.48
1	F. A. Schneider	Lawn mower	9.50
1	M. J. Adler	Brass hinges	.75
2	James H. McGill	Fire clay	1.00
6	Washington Gaslight Co	Gas for May	25.75
8	Thos. Somerville & Sons	Engine supplies	1.54
10	United States Electric Light- ing Co.	Electric current for May	37.50
12	James B. Lambie	Brass	1.15
16	F. A. Schneider	Zinc	11.00
21	W. T. Galliher & Bro	Lumber	5.64
13	Boyce & Marcan	Lamp cord, etc	2.16
23	The E. F. Brooks Co	Shade holders, etc	1.60
30	Henry Braun <i>et al</i>	Labor for June	249.10
30	F. A. Schneider	Hardware	22.94
30	Geo. Bowman	Removing ashes	3.05
30	do	do	2.00
30	do	do	.50
	Total fourth quarter		1,582.59
	<i>Supplemental.</i>		
July 5	Church & Stephenson	Lumber	27.87
5	H. L. Crawford	Paving	262.50

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Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—FUEL, LIGHTS, AND REPAIRS—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
July 7	Thos. Somerville & Sons	Laborer and material	\$6.08
7	do	Brass nipples .....	.40
22	Washington Gaslight Co	Gas for June	27.50
26	United States Electric Light- ing Co.	Electric current, June	33.63
26	Robert Leitch & Sons	Steam pipe, etc	3.32
Aug. 10	Thos. Somerville & Sons	Cellar drainer	28.00
17	John A. Power & Co	Lava tips .....	.50
Oct. 7	Pettit & Dripps	Iron doors and frame	12.00
	Total supplemental		401.80

RECAPITULATION.

Total first quarter	\$1,273.51
Total second quarter	2,754.67
Total third quarter	2,438.96
Total fourth quarter	1,582.59
Supplemental	401.80
Total	8,451.53

WEATHER BUREAU—CONTINGENT EXPENSES.

Date.	Name.	Nature of payment.	Total.
1892.			
July 18	Walter B. Williams & Co	Services, June 30 to July 5	\$10.48
20	Washington City post-office	Postage stamps	500.00
22	J. Baumgarten & Son	Rubber stamps	4.00
22	John C. Parker	Index cards	10.05
22	National Railway Publication Co.	Subscription to Railway Guide	5.00
22	A. E. Foote	Pamphlets and books	114.45
26	Maurice Joyce	Engraving plates	19.00
30	J. Baumgarten & Son	Rubber stamps, etc	9.50
Aug. 5	Peter Paul & Bro	Caligraph	85.00
5	John McDermott & Bro	Carriage	175.00
6	B. Westermann & Co	Book	7.20
6	M. G. Copeland & Co	Flag	12.50
8	Susan Washington	Washing towels, July	3.42
10	M. E. Mann	Annual Cyclopeda	6.00
12	Newman & Son	Repairs to caligraph	1.50
12	F. P. May & Co	Revolver	14.00
16	Marshall Field & Co	Towels	88.80
16	M. Silverberg & Co	Picture frames	6.25
16	John C. Parker	Stationery	94.15
17	W. B. Moses & Sons	Carpets, etc	153.34
17	John C. Parker	Stationery	416.02
17	Bowers & Daly	Labor and material	6.00
19	A. G. Elliot & Co	Manila paper	204.00
19	Easton & Rupp	Stationery	28.50
19	Fred. A. Schmidt	Celluloid .....	.50
19	M. Silverberg & Co	Picture frame	3.73
23	F. A. Schneider	Wire cloth, etc	1.20
23	do	Hardware	13.15
23	C. H. Pond	Dating stamp	3.00
23	J. Baumgarten & Son	Rubber stamps	2.00
24	L. H. Schneider's Son	Hardware	6.05
24	The Hygienic Ice Co	Ice for July	12.38
24	S. S. Daish & Son	Feed	25.62
30	J. H. Chesley & Co	Brooms	12.00
Sept 2	J. Baumgarten & Son	Rubber stamps	10.10
3	F. S. Cahill & Co	Repairing bicycle	5.00
3	S. S. Daish & Son	Feed	20.68
6	F. A. Schneider	Mortise machine, etc	49.99
7	Library Bureau	Book supports	16.00
7	Wm. Ballantyne & Sons	Foreign publications	10.59
7	Wyckoff, Seamans & Benedict	Typewriter	85.00
7	Henry A. Clark & Son	Labor and material	5.00
7	F. A. Schneider	Hardware	4.40
7	Bowers & Daly	Horseshoeing	4.89
7	E. W. Woodruff	File-holder cabinet	110.00
7	Susan Washington	Washing towels, August	3.33
14	M. Silverberg & Co	Picture frames	5.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 14	M. L. Ferguson	Cram's Standard Atlas	\$25.00
14	W. B. Moses & Sons	Office furniture	151.75
14	J. Baumgarten & Son	Rubber stamps	2.00
15	Wyckoff, Seamans & Benedict	Remodeling typewriters	65.00
19	Easton & Rupp	Stationery	209.87
23	The Manhattan Supply Co.	Glue	5.76
23	H. B. Nims & Co.	Wooden globe	20.00
23	W. B. Moses & Sons	Furniture, etc.	202.65
23	Henry A. Clark & Son	Repairing typewriter	4.80
26	Overman Wheel Co.	Repairing bicycle	.85
	Total first quarter		3,071.97
Oct. 1	John C. Parker	Envelopes	16.50
1	Herdic Phaeton Co.	Street-car tickets	39.00
4	M. G. Copeland & Co.	Flag	12.50
5	Susan Washington	Services, Sept. 1 to 30	3.62
8	F. A. Schneider	Hardware	8.01
8	Esther De Puy	Platen for Yost machine	3.00
8	Bowers & Daly	Labor and material, horseshoeing	5.25
14	Wm. Ballantyne & Sons	Stationery	213.75
14	Wm. Wesley & Son	Books	60.37
14	J. A. Hamilton	Rubber horse cover	3.50
15	Henry J. Green	Achromatic reading glass	2.25
15	J. F. Tenney	Numbering machine	16.00
15	John C. Parker	Stationery	3.45
15	S. S. Dalish & Son	Feed	21.70
15	Tissot & Schultz	Hardware	15.14
15	Chesapeake and Potomac Telephone Co.	Exchange rental July 1 to Sept. 30	42.02
17	M. G. Copeland & Co.	Paulins	18.00
19	W. B. Moses & Sons	Furniture	53.50
19	B. J. Downey & Son	Harness, etc.	53.75
25	F. A. Schneider	Brass rings, etc.	4.50
26	Overman Wheel Co.	Repairing bicycle	2.50
Nov. 5	John C. Parker	Stationery, etc.	124.11
5	Susan Washington	Washing towels for October	2.50
8	John McDermott & Bro	Repairing carriage	89.00
8	Bowers & Daly	Shoeing horses, October	3.75
9	C. Witmer & Co.	Turpentine	26.00
9	J. Baumgarten & Son	Stamps	12.50
9	John McDermott & Bro	Repairing carriage, etc.	17.00
10	J. C. Addison	Pen racks	1.60
10	Newman & Son	Repairs to caligraph	1.50
11	W. T. Galliher	Lumber	7.20
11	Gregory Bros.	Clock cord	.50
11	Henry A. Clark & Son	Repairing typewriter	9.00
12	Henry Romeika	Press clippings	3.20
14	J. F. Tenney	Numbering machine	16.90
16	Overman Wheel Co.	Repairs to bicycle	4.00
21	B. J. Downey & Son	Repairs to harness, etc.	4.50
22	Library Bureau	Index cards	12.60
22	W. B. Moses & Sons	Storage on carpets	32.00
22	M. G. Copeland & Co.	Decorating building	150.00
22	George Ryneal, jr.	Stationery	89.43
26	E. J. Brooks & Co.	Twine	29.04
26	J. Baumgarten & Sons	Rubber stamps, etc.	8.75
26	John C. Parker	Stationery	74.84
26	Hugh Reilly	Benzine, etc.	8.75
26	James S. Topham	Leather chair seats	9.60
30	F. A. Schneider	Brass wire	1.75
Dec. 1	J. B. Hammond	Cherry stand	7.50
3	William Ballantyne & Sons	Stationery	25.30
6	C. Becker	Alligator bag	5.25
6	Bowers & Daley	Shoeing horses, etc.	3.00
6	Susan Washington	Washing towels, November	2.64
10	Gustav E. Stechert	Subscription to periodicals	80.89
10	Macmillan & Co.	Book	3.76
10	A. E. Foote	Books	12.20
10	William Ballantyne & Sons	do	47.74
10	John C. Parker	Eyelet punch	2.50
10	Brentanos	Subscription to Book Chat	1.00
14	Gustav E. Stechert	Subscription to American Meteorological Journal	3.60
14	W. B. Moses & Sons	Carpet, etc.	809.25
16	Herdic Phaeton Co.	Street-car tickets	39.00
16	George Ryneal, jr.	Thumb tacks	.96
16	Charles T. Carter & Co.	Steel-wire nails	11.18
16	C. Becker	Knee caps, etc.	8.45

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
16	James D. and E. S. Dana.....	Subscription to American Journal of Science.	\$3.00
16	Daniel Johnson.....	Flaxseed meal. etc.....	1.26
17	D. C. Stull.....	Sperm oil.....	49.50
17	S. S. Daish & Son.....	Feed.....	22.70
23	R. R. Bowker.....	Subscription to Library Journal.....	7.50
	Total second quarter.....		2,486.01
1893.			
Jan. 2	Will M. Clemens, manager.....	Newspaper clippings.....	7.90
2	Fred Springman.....	Hauling.....	2.00
11	John C. Parker.....	Directories, etc.....	14.13
11	Susan Washington.....	Washing towels.....	1.70
12	W. B. Moses & Sons.....	Carpet, matting, etc.....	164.98
12	W. T. Galliher & Bro.....	Lumber.....	6.11
12	Bowers & Daly.....	Shoeing horses, December.....	7.00
12	Lucy Payne.....	Washing towels, December.....	1.13
12	J. W. Boteler & Son.....	Towel rollers.....	6.30
12	Newman & Son.....	Remodeling caligraphs.....	70.00
12	W. B. Moses & Sons.....	Desk.....	60.00
17	Wycoff, Seamans & Benedict.....	Typewriter.....	87.50
17	W. B. Moses & Sons.....	Smryna rug.....	6.75
17	J. Baumgarten & Son.....	Numbering machine, etc.....	25.30
23	W. B. Moses & Sons.....	Carpet sweepers, etc.....	45.00
23	James B. Lambie.....	Hardware.....	29.96
23	Chesapeake and Potomac Telephone Co.....	Telephone service, Oct. 1 to Dec. 31.....	43.00
23	John C. Parker.....	Fountain pens, etc.....	23.95
23	Easton & Rupp.....	Stationery.....	6.00
24	Whiteside & Walton.....	Soap and borax.....	.95
26	Charles H. Pleasants.....	Chamois skins.....	38.80
26	W. A. Pate.....	Putz pomade.....	2.40
26	Herdic Phaeton Co.....	Street-car tickets.....	78.00
28	M. Silverberg & Co.....	Picture frames.....	4.50
31	Samuel Miller.....	Electrical supplies.....	21.00
31	F. A. Schneider.....	Hardware.....	2.30
31	Moriz Perles.....	Books.....	5.70
Feb. 1	E. Morrison Paper Co.....	Record books.....	2.70
3	W. B. Moses & Sons.....	Bunting, etc.....	16.75
3	Lucy Payne.....	Washing towels, January.....	3.02
3	Robert Mayer & Co.....	Tracing paper.....	6.00
3	J. B. Chamberlain.....	Chemicals.....	5.35
3	C. Becker.....	Whip.....	1.50
3	James B. Lambie.....	Hardware.....	14.56
3	Geo. Ryneal, jr.....	Paint, etc.....	7.45
7	Ezra W. Raub.....	Drayage.....	3.00
7	Bowers & Daly.....	Horseshoeing.....	8.00
7	Daniel Johnson.....	Feed, etc.....	22.16
7	S. S. Daish & Son.....	Straw, oats, etc.....	43.12
7	John C. Parker.....	Postal guides.....	25.80
10	Newman & Son.....	Repairing caligraph.....	6.00
10	Church & Stephenson.....	Lumber.....	20.44
10	Hendley & Biggs.....	Oil cans, etc.....	2.05
10	J. Baumgarten & Son.....	Dating stamp, etc.....	3.50
11	John C. Parker.....	Stationery.....	21.65
11	Wm. Ballantyne & Sons.....	Manila paper.....	89.92
16	Carl Barus.....	Labor and material.....	9.05
17	Charles McDonald.....	Franklin typewriter.....	60.00
20	F. A. Schneider.....	Hardware.....	3.15
23	Daniel Johnson.....	Feed.....	20.61
23	C. Becker.....	Carriage robe.....	25.00
24	People's Dispatch Co.....	Transportation charges.....	1.10
24	Columbia Phonograph Co.....	Phonograph blanks.....	48.00
25	B. H. Stinemetz & Son.....	Coachman's fur cape.....	17.00
25	Wm. Ballantyne & Sons.....	Stationery.....	157.65
28	C. S. Braisted.....	Rubber erasers.....	6.48
28	Henry Ginnel & Co.....	Clock oil.....	6.67
28	The Manhattan Supply Co.....	Feather dusters, etc.....	56.00
28	J. C. Addison.....	Rubber bands.....	6.75
28	John C. Parker.....	Pins, etc.....	15.18
28	Easton & Rupp.....	Stationery.....	62.08
28	W. T. Galliher & Bro.....	Lumber.....	91.91
28	Washington City post-office.....	Postage stamps.....	500.00
28	L. W. Sherman.....	Telephone tablet, etc.....	3.00
Mar. 3	John C. Parker.....	Stationery.....	35.65
3	Edwin E. Howell.....	Making map of the United States.....	155.00
3	Charles T. Carter & Co.....	Nails.....	19.25
8	Marshall Field & Co.....	Towels.....	22.20
8	Geo. Ryneal, jr.....	Thumb tacks, etc.....	1.44

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 8	John C. Parker	Stationery	\$37.80
13	Newman and Son	Remodeling caligraph	35.00
13	Ernest Betz	Pans	5.00
13	F. E. Schneider	Hardware	4.44
13	Wilmarth & Edmonston	Tube for water filter	1.25
13	Lucy Payne	Washing towels	2.90
15	Gustav F. Stechert	Subscription for magazines, 1893	160.00
15	Newman and Son	Caligraph	81.00
15	John McDermott & Bro	Repairing office carriage	3.00
15	Z. D. Gilman	Alcohol, etc	6.25
15	C. Becker	Blanket, etc	17.65
17	A. E. Foote	Books	2.30
17	Daniel Johnson	Hay, straw, etc	22.99
17	Wyckoff, Seamans & Benedict	Typewriter	80.00
17	Carl Barus	Services as cleaner, February	2.00
17	Bowers and Daly	Shoeing horses	4.75
17	Overman Wheel Co	Repairing bicycle	11.90
17	John M. Young	Mail wagon, etc	141.90
20	John C. Parker	Stationery	79.48
23	D. H. Farlin	Livery hire	6.00
31	Wm. Ballantyne & Sons	Stationery	79.20
31	Easton & Rupp	do	79.48
31	W. B. Moses & Sons	Chairs and rugs	57.75
31	John C. Parker	Paper	7.45
31	William Wesley & Son	Books	234.10
	Total third quarter		3,552.09
Apr. 5	Keuffel & Esser Co	Stationery	37.70
8	Chesapeake and Potomac Telephone Co.	Rent of telephone, Jan. 1 to Mar. 31	43.00
8	Geo. Ryneal, jr	Brushes, etc	1.50
8	Wm. Ballantyne & Sons	Books	10.12
8	Millard Metzger	Whisk brooms	3.36
8	James B. Lambie	Hardware	2.63
11	John C. Parker	Letter press, etc	40.00
11	Lucy Payne	Washing towels, March	3.39
12	John C. Parker	Remodeling typewriter	67.35
12	R. H. Dean	Wires for magnetic globe	1.50
14	W. G. Shock	Caligraph, etc	95.00
14	Henry A. Clark & Son	Typewriter erasers, etc	15.90
14	John C. Parker	Index cards, etc	12.34
14	W. A. Pate	Putz pomade	2.40
18	Ezra W. Raub	Hauling	1.00
18	Carl Barns	Pressure gauge, etc	13.80
18	Thos. Somerville & Sons	Lead	1.50
18	Whiteside & Walton	Insect powder	.70
18	D. Johnson	Feed	21.91
18	M. G. Copeland & Co	Flag	7.50
18	James B. Lambie	Hardware	1.50
18	Herdic Phaeton Co	Street-car tickets	39.00
19	Ernest Betz	Labor and material	9.50
19	John C. Parker	Blank books, etc	145.00
21	The Burnham Antique Book store.	Books	5.25
25	Bowers & Daly	Horse shoeing	5.75
26	Clemens News Agency	Clippings	11.50
26	J. Baumgarten & S. n	Rubber stamps	3.80
May 1	F. A. Schneider	Hardware	1.05
1	Lubroleine Oil Co.	Lubricating oil, etc	51.03
2	Newman and Son	Remodeling caligraph, etc	74.00
2	Geo. Ryneal, jr	Pane of glass	3.00
2	Overman Wheel Co.	Repairing bicycle	.25
2	C. Becker	Clipper, etc	8.15
5	John C. Parker	Remodeling typewriter	45.00
11	Lucy Payne	Washing towels for April	3.52
11	F. A. Schneider	Brass hooks, etc	8.50
11	C. Schneider	Repairing safe	20.00
11	J. Baumgarten & Son	Rubber stamps	2.35
11	Bowers & Daly	Horseshoeing	4.25
11	Vernon H. Brown & Co., agents	Freight charges	6.48
13	W. H. Butler	Oil, etc	12.50
13	J. H. Chesley & Co.	Brooms	15.00
17	Carl Barus	Labor, etc	3.50
19	Photo-Engraving Co	Photo engravings	18.40
23	Library Bureau	Guides	4.00
23	Newman & Son	Remodeling caligraph	35.00
23	Philip H. Ward	Salt, etc	1.05
31	do	Sal soda	.20

Expenditures Department of Agriculture for fiscal year ending June 30, 1893.—Cont'd.

WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
June 1	Felix L. Dames	Books and pamphlets	\$178.12
1	A. E. Foote	Books	7.25
1	World Publishing Co.	Advertising	7.20
1	The Bee Publishing Co.	do	6.90
1	F. A. Schneider	Maps, etc.	3.65
1	Craig & Harding	Screens	8.85
1	Monogue & Jones	Blacking brushes, etc.	2.29
1	James B. Lambie	Hardware	3.29
1	James Baumgarten & Son	Rubber stamps	2.25
2	Press Publishing Co.	Advertising	30.00
2	A. S. Abell Company	do	10.80
2	Wm. Ballantyne & Sons	Paper	77.00
2	G. J. Johnson	Lime	2.20
3	Gustav E. Stechert	Books	7.75
6	R. R. Bowker	Index to periodicals	5.50
6	E. J. Brooks & Co.	Twine	27.40
6	John H. King	Copy holders	10.00
6	Washington News Publishing Co.	Advertising	6.40
6	Lucy Payne	Washing towels for May	3.99
6	Chicago Herald Co.	Advertising	28.50
6	Herdic Phaeton Co.	Street-car tickets	39.00
8	William Wesley & Son	Books	68.25
10	New York Staats Zeitung	Advertising	9.50
12	Yost Writing Machine Co.	Repairing typewriter	12.45
12	Bowers & Daly	Shoeing horse in May	6.00
13	Washington Post Co.	Advertising	8.80
16	The Record Publishing Co.	do	22.80
17	John C. Parker	Supplies for typewriter	4.03
17	do	Stationery	31.56
17	do	do	26.10
17	B. J. Downey	Repairing harness, etc.	1.25
17	Littlefield, Alvord & Co.	Moving office furniture	45.00
17	F. A. Schneider	Hardware	1.00
17	J. Baumgarten & Son	Rubber stamps	1.30
19	Charles H. Pleasants	Chamois skins	24.75
19	R. H. Smith Manufacturing Co.	Rubber type, etc.	4.00
19	Strawbridge & Clothier	Surah silk	1.00
19	J. C. Addison	Rubber bands	29.10
19	M. H. Beveridge	Pitcher	2.00
19	F. S. Cahill & Co.	Repairing bicycle	2.50
19	Easton & Rupp	Desk, etc.	22.97
19	J. B. Bryan & Co.	Soap	42.48
21	Millard Metzger	Whisk brooms	1.68
21	E. W. Woodruff	File-holders	3.00
21	Royce & Marean	Fuse wire	.25
21	Daniel Johnson	Feed	35.78
23	Newman & Son	Repairing caligraph	4.50
23	Craig & Harding	Window shades	46.50
30	F. A. Schneider	Auger with handle	1.75
30	J. Baumgarten & Son	Rubber stamp	.50
30	J. W. Boteler & Son	Tumblers	.50
30	J. H. Chesley & Co.	Emery cloth	.45
	Total fourth quarter		1,850.93
	<i>Supplemental.</i>		
July 3	E. J. Brooks & Co.	Cable twine	27.13
3	Chadwick Copying Book Co.	Copying letter books	31.00
3	John C. Parker	Blank book	5.00
5	Columbia Phonograph Co.	Rent of phonograph, Feb. 15 to June 30	63.75
7	Geo. Ryneal, jr.	Lard oil, etc.	1.05
7	Chas. T. Carter & Co.	Buckets	5.25
7	United States Mailing Case Co.	Mailing cases	7.25
7	Monogue & Jones	Boxes of blacking	.60
22	James Nolan	Plumbing in June	35.00
22	Chesapeake and Potomac Telephone Co.	Exchange rent, Apr. 1 to June 30	43.00
26	M. J. Adler	Zinc	6.00
26	G. J. Symons	Barometer, etc.	1.68
26	W. D. Brace	Roach paste	.25
Aug. 3	E. Morrison Paper Co.	Stationery	5.50
3	Bowers & Daly	Shoeing horses in June	3.75
3	Whiteside & Walton	Camphor	1.20
3	W. B. Moses & Sons	Cleaning carpets, etc.	30.00
9	Manhattan Supply Co.	Toilet soap	4.20
9	John C. Parker	Stationery	2.70
9	Belt & Dyer	Cedar posts	5.00
10	Lucy Payne	Washing towels in June	3.99

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd

WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Aug. 11	The Hygienic Ice Co.	Ice, Aug. 1, 1892, to June 30, 1893	\$112.81
17	New York Times Publishing Co.	Advertising	33.00
18	Hugh Reilly	Varnish, paint, etc.	2.70
18	Georgetown Gaslight Co.	Laying gas pipe	10.60
24	Gustav E. Stechert	Foreign books	8.58
Sept. 12	Wm. Ballantyne & Sons	Stationery	122.00
12	do	do	145.40
12	The Washington Post Co.	Advertising	12.50
20	Library Bureau	Index cards	9.00
22	W. T. Galliher & Bro.	Lumber	44.00
Oct. 5	F. A. Schneider	Hardware	.75
	Total supplemental		784.64

RECAPITULATION.

Total first quarter	\$3,071.97
Total second quarter	2,486.01
Total third quarter	3,552.09
Total fourth quarter	1,850.93
Supplemental	784.64
Total	11,745.64

WEATHER BUREAU—GENERAL EXPENSES.

Date.	Name.	Nature of payment.	Total.
1892.			
July 18	Park Morrill	Traveling expenses	\$7.00
20	Darrow & Comstock	Matches	1.20
20	C. J. Viets	Mucilage and ink	2.95
20	Clarke & Co.	Matches, oil, etc.	5.80
22	Burroughs & Vivion Brothers	Mucilage and ink	1.40
22	Broadwater & Pepin	Ink	2.00
22	George Meier & Co.	Varnish	5.25
22	Thomas B. Dornin & Son	Water cooler	6.50
22	Joseph A. Smith	Lamp, chimneys, etc.	8.95
22	H. J. Penrod	Traveling expenses	10.60
22	D. P. Henderson & Co.	Mucilage and ink	5.65
22	Glinebaugh & Johnson	Labor and material	4.50
25	J. C. Entwistle	Engraving	5.00
25	do	Correcting plate, etc.	14.00
25	Moss & Bently	Mucilage and ink	1.70
25	J. F. Jones & Co.	Matches and brooms	1.96
25	C. W. Hill	Services, July 1 to 11	2.20
25	Joseph W. Field	Repairing clock	3.00
25	M. E. Clarke	Services as cleaner	5.00
25	Broadwater & Pepin	Matches and oil	13.04
25	W. G. Banks	Feed	26.11
25	Wyckoff, Seamans & Benedict	Repairing typewriter	40.00
25	Stoddard & Daniels	do	60.00
26	Andrew Renz	Grinding paper knife	1.50
26	Andrew B. Graham	Engraving	10.00
26	Maurice Joyce	Logotypes	18.00
26	Eugene May	Mucilage	1.95
26	Jno. M. Klein	Cartage, etc.	6.50
26	E. A. Ingersoll	Painting	8.00
30	E. J. Lewis	Disk for blower	1.10
30	Melville Lindsay	Tubing	3.36
30	E. L. Bugbee	Traveling expenses	6.50
30	J. C. Entwistle	Rags	8.00
30	Charles B. Tuck	Traveling expenses	35.45
30	E. H. Emery	Expenses, July 13	2.25
30	T. F. Townsend	Expenses, July 1 to 3	7.50
30	Ginn & Co.	Subscriptions, July 1, 1892, to June 30, 1893	112.50
31	J. K. Robinson <i>et al</i>	Services for July	2,223.65
31	Belle F. Plummer <i>et al</i>	Services, July 13 to 31	198.37
Aug. 4	United States Mailing Tube Co.	Mailing tubes	5.22
4	Nowotny Electric Co.	Repairing electric apparatus	2.50
4	S. W. Fleming	Mucilage, ink, etc.	11.30
4	James I. Patten	do	3.50
4	B. P. Nickerson	Repairing United States telegraph line	4.50
4	Wm. N. Grubb	Stamps, etc.	2.25

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 4	Ed Ockels	Repairing chair, etc	\$4.00
4	Hamilton & Kendrick	Mucilage, ink, etc	8.30
4	The Baltimore Traction Co	Street-car tickets	54.75
4	W. H. Renear	Hire of team, July 11 to 14	2.00
4	Wm. Buckley	Repairing cable	142.45
4	Forsberg & Murray	Forging iron ring	4.05
4	H. L. Heiskell	Traveling expenses, July 26	3.10
4	Mark W. Harrington	do	50.80
5	Brigham & Weeks	Cook stove, etc	34.50
5	R. H. Elmore	Benzine, etc	.75
5	C. W. Yates	Mucilage, ink, etc	8.67
5	John F. Weaver	Water cooler	5.00
5	T. J. Foley	Lamp chimneys, etc	1.75
5	Darrow & Comstock	Illuminating oil	2.88
5	A. D. Gibson & Sons	Desk and chairs	30.00
5	Chestoka Peterson	Brooms, matches, etc	59.05
5	Geo. W. Knox Express	Hauling	1.38
5	J. D. Free, jr	Melodiograph felt	11.25
5	William M. Case	Services for July	40.00
6	J. D. Free, jr	Melodiograph ink	2, 070.00
6	J. N. Applebaugh	Services for July	36.00
6	W. S. Gosnell	Services as cleaner, July	5.00
6	Wilson Johnson	do	12.50
6	Hin Suey	do	5.00
6	William E. May	do	5.00
6	Cicero Crawford	do	3.00
6	J. Kube & Co.	Repairing caligraph	3.00
6	Thos. Robinson	Services as displayman, July	25.00
6	W. T. & F. B. Weaver	Lacings	2.75
8	J. H. Bunnell & Co	Electrical supplies	11.80
8	Edward A. Evans	Expenses for July	46.50
8	W. H. Hammon	do	45.00
8	Davis Swainson & Co.	Table, etc	10.00
8	W. G. Hamilton	Curtain fixtures	7.00
8	Geo. H. Fuller Desk Co	Desk, etc	20.75
8	Smith & Swainson	Rent of desk and storeroom	10.00
8	Richard Titus	Services as cleaner, July	4.00
8	Geo. E. Hunt	Expenses for July	46.50
8	Park Morrill	do	46.50
8	H. H. Hodgson	Repairing typewriter	9.85
8	Charles Pratt	Repairing desk	5.00
8	Smith & Lynch	Fire grate, etc	3.25
8	Patrick Straw	Services as cleaner, July	5.00
8	Miles Jackson	do	5.00
8	Jennie Pritchett	do	3.00
10	V. T. Cosby	Labor and materials	11.45
10	Charles A. Hunt	Oil and matches	1.50
10	Burr & Bailey Co.	Labor and material	5.75
10	Emma Ling	Services as cleaner, July	5.00
10	A. J. Edie	Replacing river gauge	1.00
10	P. H. Young	Repairing clock	1.50
10	Jimmie Kallappa	Wood	3.00
10	E. R. Demain	Repairing typewriter	1.00
10	F. L. Jackson, agent	Office rent, Yankton, S. Dak., July	24.75
10	G. R. Wilson	Labor and material	14.00
10	John P. Glynn	Hauling	.75
10	L. E. Strouach	Car fare, July	3.10
12	C. I. Bozzell	Expressage	1.30
12	C. S. Braisted	Erasers	31.50
12	Levy Dreyfus & Co.	Clocks	61.20
12	E. W. Stephens	Book ink	7.50
12	Pennington Bros	Mucilage and ink	1.80
12	Thaddeus Davids Co	Ink	13.50
12	Rogers Manifold Carbon Paper Co.	Agate style	12.50
12	Thomas J. Luttrell	Cotton	2.16
12	J. C. Addison	Rubber bands	169.35
12	C. C. Pursell	Books	100.00
12	M. Metzger	Whisk brooms	3.50
12	J. B. Bryan & Bro	Soap	180.17
12	J. T. Walker Sons	Sand	1.20
12	Henry A. Clark & Son	Rubber erasers	3.75
16	E. L. Webster	Office rent, Sioux City, Iowa, July	20.25
16	Blake, Moffitt & Towne	Book paper	1.80
16	Chadwick Copying Book Co	Copying books	152.00
16	N. D. Hill & Sons	Mucilage and ink	3.25
16	P. Connor	Street-car tickets	2.60
16	John C. Parker	Stationery, etc	1, 330.30
16	Geo. W. Knox Express	Freight charges	.74

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 16	Williams & Hanks	Machinery belt, etc	\$39. 12
16	Henry A. Clark & Son	Typewriter, etc	85. 00
17	Charles H. Pleasants	Chamois skins, etc	116. 05
17	Frank E. Semon	Services, July 26	20. 00
17	Wm. Toden	Matches, brooms, etc	10. 40
17	Broadwater & Pepin	Office rent, Havre, Mont., July	30. 00
17	Frank Ross	Services, July	7. 75
17	Jol. Coley	Repairing United States telegraph line	7. 00
17	Gregory Bros	Repairs to clocks, etc	31. 00
17	John C. Parker	Stationery, etc	634. 55
18	U. G. Meyers	Traveling expenses, July	18. 60
18	P. T. Jenkins	do	4. 25
18	J. B. Marbury	do	8. 50
18	F. P. Chaffee	Traveling expenses, August	3. 75
19	Pioneer News Co	Mucilage	1. 00
19	The E. S. Greeley Co	Telegraph supplies	30. 42
19	Frank H. Fee	Hauling	1. 00
19	J. H. Smith	Repairing United States telegraph line	10. 00
19	Henry Jones	do	3. 00
19	John J. Veeder	do	3. 00
19	C. H. Burdick	Labor and material	3. 15
19	Central Ice Co	Ice for July	6. 20
19	H. T. Condee Implement Co	Repairing typewriter	45. 00
19	F. W. Devoe & Co	Tubes of paint	2. 00
19	W. T. Downs & Co	Hauling	1. 25
19	Broadwater & Pepin	Ice for July	3. 10
19	Henry Ginnel & Co	Oil for clocks	22. 22
19	J. C. Morrell	Services for July	20. 00
19	Robert McElroy	Office rent, San Francisco, Cal., July	90. 00
19	M. W. Etheridge	Ferriage	3. 50
19	Geo. W. Twiford	Resetting poles, etc	1. 50
19	A. B. Crane	Traveling expenses, August	4. 25
19	O. G. Barron, manager	Coal	60. 00
19	W. H. Hammon	Traveling expenses, August	5. 75
19	Arctic Ice Company	Ice for July	4. 65
19	Beverly Chapman	Repairing instrument shelter	4. 00
19	Memphis Light and Power Co	Rent of electric lights, July	5. 06
19	C. C. Ames	Repairing United States telegraph lines	6. 25
19	D. C. Hibbard	do	5. 25
19	The Bancroft Co	Mucilage	. 90
19	The Singer Manufacturing Co	Caligraph stand	1. 00
19	Easton & Rupp	Stationery	585. 00
19	J. W. Boteler & Son	Tumblers	2. 25
19	J. Baumgarten & Son	Ink	12. 50
19	James B. Lambie	Brass	2. 28
20	F. M. Sherman	Labor and material	8. 50
20	R. M. Mansford	Repairs to typewriter	47. 50
22	John Schenck	Painting	4. 50
22	Pennsylvania R. R. Co	Transportation	68. 02
22	Alexander McAdie	Traveling expenses, July	38. 00
22	Homan & Roehl	Office chairs	5. 00
22	Wm. E. Davis	Typewriter table	2. 50
22	Fletcher & Hutchins Co	Table	8. 00
23	Thomas Crawford	Traveling expenses, July	13. 35
23	E. A. Evans	Traveling expenses, Aug. 6	6. 75
23	Caleb Cook	Machine oil	32. 00
23	A. G. Elliot & Co	Telegraph paper	67. 50
23	United States Express Co	Expressage	1. 85
23	C. C. Pursell	Mucilage, etc	9. 00
23	M. G. Copeland & Co	Answering pennants	15. 00
23	J. W. Boteler & Son	Pitchers	33. 00
24	Jno. M. Klein	Expenses, July	24. 80
24	H. G. Cordley	Scissors, basins, etc	25. 97
24	Combination Toilet Stand Co	Washing towels, July	1. 50
24	J. L. Cottrill	Repairing letterpress, etc	4. 00
24	The Gayton Furniture Co	Repairing chairs, etc	56. 75
24	H. C. Bate	Traveling expenses, July and August	54. 75
24	Whitehead & Patterson	Painting and varnishing	13. 00
24	J. H. Mills & Co	Printers' supplies, etc	80. 88
24	P. C. Clafin	Index compasses	11. 00
25	M. G. Copeland & Co	Flags	184. 00
30	John F. McLean	Matches, oil, etc	9. 90
30	J. K. Gill & Co	Mucilage, ink, etc	15. 85
30	Rogers Manifold and Carbon Paper Co	Carbon paper	45. 00
30	I. L. Daniel	Services, July 1 to 6	1. 20
30	Klipper, Webster & Co	Desk, chairs, etc	105. 25
30	Lowry Hardware Co	Hardware	10. 95
30	P. J. Bolton	Painting	7. 00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 30	W. S. Gosnell	Labor and material	\$31.00
30	Chas. H. Ward	Services as cleaner, August	12.50
30	G. Nees	Binding maps	3.50
30	E. Everett	Repairing clock	2.50
30	W. R. Peterson	Painting, etc	19.00
30	Moxley & Weaver	do	15.00
30	Williams & Hanks	Plumbago packing, etc	10.00
30	J. E. Hurley	Putting up jack shaft, etc	78.44
30	F. A. Schneider	Dark lanterns, etc	13.21
30	E. J. Brooks & Co	Shears, etc	51.11
30	C. W. Ling	Drayage	1.00
30	F. G. Burnett	Repairing clock	2.50
30	George E. Franklin	Drayage, etc	4.05
30	J. H. Chesley & Co	Awning hooks, etc	55.45
30	Whiteside & Walton	Glycerin	2.25
31	J. K. Robinson <i>et al</i>	Printing roll for August	2,348.08
31	James K. Jones <i>et al</i>	Climatology for August	526.52
Sept. 1	Milton Whitney	Climatology from July 1 to Aug. 31	505.40
2	F. C. Pershing	Repairing desks	4.50
2	Keuffel & Esser Co.	Indelible ink	12.00
2	I. M. Cline	Drayage	1.75
2	Hin Sney	Services as cleaner, August	5.00
2	W. M. Case	Services for August	40.00
2	W. S. Gosnell	Speaking tube, etc	22.00
2	do	Services as cleaner, August	5.00
2	Jol. Coley	Repairing United States telegraph line	2.00
2	Joseph Mills	Moving instrument shelter	5.00
2	Milton Young	Labor and material	8.00
2	W. A. Gilmore	Services, July 1 to Aug. 31	9.60
2	C. B. Fenton & Co	Printers' supplies	90.35
2	J. C. Addison	Cardboard, etc	154.95
2	Royce & Marean	Electrical supplies	1,068.16
2	J. C. Entwistle	Cotton batting	20.00
2	Mark W. Harrington	Traveling expenses, August	43.30
3	C. B. Cottrell & Son	Repairs to litho press	36.00
3	Spokane Mercantile Co	Window shades, etc	7.50
3	Charles J. Curry	Water cooler	2.50
3	Wiley B. Allen	Caligraph	80.00
3	B. Wolff	Office chairs	11.00
3	Isydore Strauss & Son	Desk, etc	42.50
3	C. T. Sylliaasen	Stand, etc	10.50
3	Cameron & Phillips	Stove	5.00
3	W. S. Holbrook	Office desk	30.00
3	J. M. Coe	Mucilage, ink, etc	5.00
3	Wetmore & Paddock	Carpet	19.87
3	W. B. Mann & Co	Matches	.60
3	J. F. Maupin	Insulators	11.65
3	C. R. Johnson	Services, July 1 to Aug. 15	11.50
3	Chas. T. Carter & Co	Paint brushes, etc	97.99
3	Alexander Paravin & Son	Rain gauge, packing boxes, etc	84.50
3	J. C. Entwistle	Engraving	5.00
6	J. H. Bunnell & Co	Telegraph keys	28.80
6	The Redhead Norton Lathrop, Co.	Mucilage and ink	4.15
6	Hale, Dingley & Co	Office rent, Montgomery, Ala. July	25.33
6	E. C. Easton	Traveling expenses	7.00
6	Broadwater & Pepin	Window shades, etc	139.50
6	Kauffman, Openheimer & Co.	Desk, etc	35.50
6	Robert McElroy	Office rent, San Francisco, August	90.00
6	do	Gas for July	4.80
6	D. G. Harvey	Brooms, matches, etc	19.16
6	Hamilton & Kendrick	Coal oil and matches	.90
6	Jno. M. Klein	Inspecting United States telegraph line	21.95
6	Fred. P. Low	Wood, matches, etc	25.50
6	Joseph A. Smith	Coal oil and locks	3.75
6	John Henry	Coal	3.90
6	Falkins & Hill	Labor and material	38.00
6	W. C. Fickert	Repairing desk, etc	9.25
6	C. A. Klinker & Co	Die on self-inker	1.50
6	Anthony Young	Services as cleaner, August	3.00
6	C. P. Williams	Labor and material	12.00
6	Adams Express Co	Expressage	24.70
6	Israel W. Stone	Traveling expenses, August	11.50
6	R. E. Kerkam	do	24.55
6	F. J. Randolph	do	24.55
6	J. B. Marbury	Expenses, August	46.50
6	Norfolk and Western R. R. Co.	Transportation	14.75
6	New York and New England R. R. Co	do	23.35

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 6	Cyrus Ellenberger	Traveling expenses	\$3.00
6	S. F. Taylor	Stove	15.00
6	John Turnbull & Co	Rug	30.00
6	W. C. Fickert	Anemograph stand, etc.	10.00
6	Morris & Campbell	Labor and material	27.50
6	Hare & Holt	Stoves	30.00
6	The Bowditch and Prudden Co.	Office chairs, etc.	25.00
6	H. B. Perry	Carpet, etc.	21.70
6	F. M. Brown & Co.	Window shade, etc.	2.48
6	John R. Nye & Co.	Table	12.00
6	E. Redding & Son	Stovepipe, etc.	2.60
6	R. Eacrett, sr.	Office chairs	15.75
6	F. J. Coates	Mucilage and ink	5.70
6	S. J. Lutz & Co.	Wood, oil, etc.	47.50
6	Geo. E. Hunt	Expenses, August	46.50
6	Charles Gregor	Services as cleaner, August	5.00
6	The North Carolina Car Co.	Table	10.00
6	J. D. Free, jr.	Duplicating ink, etc.	263.15
6	J. H. Mills & Co.	Printing supplies	17.00
6	Geo. W. Knox Express	Freightage	3.74
6	F. A. Schneider	Lantern globes, etc.	17.25
7	Thadeus Davids Co	Stamping ink	72.00
7	George Weir & Co.	Printing supplies	32.10
7	Frederick Printing and Stationery Co.	Mucilage, ink, etc.	9.72
7	J. N. Applebaugh	Services, August	36.00
7	Griffin & Reed	Mucilage, ink, etc.	12.00
7	W. S. Jenks	Rain gauge	2.50
8	South Carolina Rwy. Co.	Transportation	4.85
8	R. Q. Grant	Express charges	7.45
8	J. M. Sherier	Traveling expenses	13.36
8	Atchison, Topeka and Santa Fe Rwy. Co.	Transportation	48.75
8	A. Williams & Co.	Mucilage and ink	4.70
8	Patrick Straw	Services as cleaner, August	5.00
8	J. Heizman	Repairing regulator	2.50
8	Lou E. Case	Services, July 1 to Aug. 15	4.60
8	Central Ice Co.	Ice for August	6.20
8	N. A. Neisins	Labor and material	5.00
8	John C. Parker	Stationery	858.01
8	M. G. Copeland & Co.	Flag pole	35.00
10	J. M. Martin	Repairing desk, etc.	9.50
10	J. F. Pickett	Services, July 1 to Aug. 31	12.40
10	Miles Jackson	Services as cleaner, August	5.00
10	J. H. Cook	Moving office furniture, etc.	122.00
10	Emma Ling	Services as cleaner, August	5.00
10	Geo. Ryneal, jr.	Lamps, etc.	241.50
10	do	Panes of glass	3.09
10	Royce & Marean	Electrical supplies	9.36
10	Henry A. Clark & Son	Typewriter	85.00
10	Hugh Reilly	Oil cans	2.50
14	B. S. Pague	Traveling expenses, August	36.74
14	P. T. Jenkins	Expenses, August	46.50
14	Park Morrill	do	46.50
14	F. H. Connolly	Flour	1.75
14	W. G. Duckett	Alum	1.50
14	Wyoming Midland Telegraph Co.	Transmitting messages, July	11.88
14	George E. Grimes	Expenses, August	7.50
14	N. Guerovich & Co.	Labor and material	9.00
14	Thos. Robinson	Services for August	25.00
14	J. J. Kelliher	Traveling expenses, August	5.25
14	L. H. Murdock	do	3.10
14	S. S. Rockwood	do	9.56
14	N. B. Conger	Traveling expenses, September	5.00
14	Louisville and Nashville R. R. Co.	Transportation	20.15
14	E. S. Greeley & Co.	Battery supplies, etc.	294.70
14	Whiteside & Walton	Printers' supplies	2.89
14	Jas. W. Queen & Co.	Field glass	27.00
14	Seth Thomas Clock Co.	Clock movement	10.00
14	Lake Superior Transit Co.	Freight charges, July	45
14	Tissot & Schultz	Stencil paper	38.29
14	Thompson C. Gil & Co.	Iron wire	221.07
14	Walter Q. Luscombe	Hire of team	2.00
14	J. A. Miller	Chairs	3.00
14	Smith & Swainson	Office rent, Cleveland, Ohio, August	10.00
14	F. L. Jackson, agent	Office rent, Yankton, S. Dak., August	24.75
14	Broadwater & Pepin	Office rent, Havre, Mont., August	30.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 14	Broadwater & Pepin	Ice for August	\$3. 10
14	W. T. Ottaway	Labor and material	60. 00
14	B. A. Richardson	do	4. 00
14	Combination Toilet Stand Co.	Washing towels, August	1. 50
14	J. C. Morrell	Services for August	20. 00
14	The Sentinel Co	Binding weather maps	3. 00
14	Jol Coley	Repairing U. S. telegraph line	1. 00
14	J. W. Baur	Expenses, Aug. 23 to Sept. 2	4. 50
14	H. J. Cox	Expenses, Aug. 30 to Sept. 2	9. 85
14	P. J. Bolton	Varnishing	2. 00
14	Ohio and Mississippi Rwy. Co.	Freight charges	9. 31
14	Memphis Light and Power Co.	Rent of electric lights, August	6. 09
14	W. B. Moses & Sons	Carpet, rug, etc.	94. 58
14	Norfolk and Washington Steamboat Co.	Freight charges .....	. 71
14	Adams Express Co.	Expressage, August	12. 65
14	W. T. Wallace	Coal	75. 00
14	Henry Yoste	Repairing clock	1. 50
14	The Perry Stove Co	Argand burner fixtures	4. 25
14	J. B. Lippincott Co	Mucilage and ink	5. 90
14	A. J. Weldener	Matches and oil	2. 05
14	W. H. Buckley	Labor and material	37. 00
14	Fred. P. Low	do	23. 00
14	do	do	15. 00
14	Richard Titus	Services as cleaner, August	4. 00
14	The Manhattan Supply Co.	Dusters, lanterns, etc	585. 80
14	J. H. Bunnell & Co.	Electrical supplies	386. 50
14	Ed. Ockels	Making instrument stand	14. 00
14	Arctic Ice Co	Ice for August	4. 65
14	Frank Smyth	Labor and material	40. 00
14	Remington Typewriter Co.	Repairing typewriter	5. 00
14	John Schultzback	Mailers	30. 00
14	J. H. Mills & Co	Printers' supplies	43. 20
14	Seymour Transportation Co.	Transportation	4. 50
14	The Marquette Furniture Co.	Revolving chair	9. 00
14	E. H. Emery	Traveling expenses	4. 15
14	Park Morrill	do	8. 25
14	D. P. McCallum	do	3. 45
15	E. J. Brooks & Co	Halyards	16. 50
15	W. L. Dowdell & Co	Coal	13. 75
16	H. E. Wilkinson	Panes of glass .....	. 50
16	M. Lovengreen	Desk table	15. 00
16	L. R. Decker	Labor and material	7. 50
16	P. Connor	Car tickets	2. 70
16	W. G. Hamilton	Bulletin board, etc	20. 00
16	I. A. Shedd	Coal oil and matches	7. 58
16	Whiteside & Walton	Sassafras .....	. 80
16	Thomas Ferrill	Services as cleaner, July	3. 00
16	A. E. Hackett	Expenses, Sept. 8 and 9	2. 50
16	Isabella Reinhart	Services as cleaner, August	3. 00
16	Pennsylvania R. R. Co	Transportation	150. 92
19	A. Nicol & Sons	Mucilage, ink, and matches	4. 82
19	Henry Beckman & Son	do	8. 75
19	Williams & Hanks	Belting	19. 60
19	Forsberg & Murray	Forging iron clamps, etc	8. 00
19	F. P. May & Co	Fairbanks scale	7. 50
19	John Moran	Lead .....	. 75
19	W. S. Jenks	Snow gauge, etc	12. 75
19	Wyoming Midland Telegraph Co.	Transmitting messages, August	11. 08
19	W. C. Sturk	Stoves, etc	67. 80
19	Thos. J. Cowry	Drayage	4. 58
19	Easton & Rupp	Twine, ink, and wax	82. 50
19	Royce & Marean	Battery cells	3. 00
19	Wyckoff, Seamans & Benedict	Remodeling typewriter	35. 00
21	J. O. Gwynn	Traveling expenses	13. 00
21	Walter Scott & Co	Repairing press	52. 50
21	Peter Paul & Bro	Caligraph	85. 00
21	S. W. Glenn	Traveling expenses	10. 00
21	M. G. Copeland & Co	Flags	68. 56
23	Charles Ewen Johnson & Co.	Ink	46. 31
23	Concord and Montreal R. R.	Transportation	5. 90
23	Boston and Maine R. R. Co.	do	1. 00
23	J. H. Thiemeyer & Co.	Packing boxes	389. 70
23	Flint and Pere Marquette R. R. Co.	Transportation	4. 50
23	George Meier & Co	Printers' supplies	7. 00
23	W. L. Day	Baggage express .....	. 75
23	Baltimore and Ohio R. R. Co.	Transportation	14. 25

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 23	T. F. Townsend.....	Traveling expenses.....	\$19.00
23	W. B. Moses & Sons.....	Linoleum.....	196.98
23	Norfolk and Washington Steamboat Co.	Freight charges.....	5.17
23	S. S. Bassler.....	Traveling expenses.....	5.75
26	The Enterprise Telegraph Co.	Transmitting messages.....	2.50
26	Chicago, Burlington and North- ern R. R. Co.	do.....	11.38
26	New England Telephone and Telegraph Co.	do.....	2.30
26	S. H. Wright.....	Labor and material.....	5.83
26	Thomaston and Barnesville Telegraph Line.	Transmitting messages, July.....	2.50
26	Philadelphia, Reading and Pottsville Telegraph Co.	do.....	8.61
26	The Great Northwestern Tele- graph Co.	do.....	156.33
26	Clarksburg and Western Tele- graph Co.	do.....	16.40
26	Moosehead Lake Telegraph Co.	do.....	5.00
26	Philadelphia, Reading and Pottsville Telegraph Co.	Transmitting messages, August.....	9.12
26	Central Union Telegraph Co.	Telephone service, July 1 to Sept. 30.....	81.00
26	Thomaston and Barnesvill Telephone Line	Transmitting messages, August.....	2.70
26	Black Hills Telegraph and Tel- ephone Co.	Telephone service, July 1 to Sept. 30.....	21.00
26	G. Barba & Son.....	Repairing rain gauges.....	6.69
26	Norfolk, Newbern and Wash- ington. N. C., Direct Line.	Freight charges.....	6.79
26	Boston and Maine R. R.....	Transportation.....	1.30
26	J. P. Slaughter.....	Traveling expenses.....	8.75
26	Clarksburg and Western Tele- graph Co.	Transmitting messages, August.....	17.00
26	E. C. Meredith.....	Traveling expenses.....	4.00
26	W. M. Case.....	Services, September.....	40.00
26	Florida Central and Pennsylv- vania R. R. Co.	Transportation.....	19.80
26	Ocean Towboat Lines Tele- graph Co.	Services, August.....	30.00
27	Stillwater and Mechanicsville St. Rwy. Co.	Transmitting messages, July and August.....	3.80
27	New England Telephone and Telegraph Co.	Transmitting messages, August.....	2.60
27	M. E. Mulloy.....	Services, Sept. 12 to 17.....	24.30
27	J. C. Fitch.....	Water furnished, July 1 to Sept. 30.....	4.50
27	Hin Suey.....	Services as cleaner, July 1 to Sept. 30.....	5.00
27	Pacific Telephone and Tele- graph Co.	Transmitting messages, July 1 to Sept. 30.....	22.50
27	Empire State Telephone and Telegraph Co.	Telephone service, July 1 to Sept. 30.....	15.00
27	Empire State Telephone and Telegraph Co.	Transmitting messages, July 1 to Sept. 30.....	13.50
27	J. W. Thompson.....	Rent of telephone, July 1 to Sept. 30.....	15.00
27	Pennsylvania Telephone Co.	do.....	21.00
27	J. P. Banks.....	Services, July 1 to Sept. 30.....	23.00
27	Robert G. Goffin.....	do.....	9.00
27	W. S. Gosnell.....	Services as cleaner, September.....	5.00
27	Jordan & Taylor.....	Electric-light lanterns.....	22.00
27	M. E. Mulloy.....	Window sashes, etc.....	13.56
27	M. E. Williams.....	Office desk.....	30.00
27	Mark W. Gill.....	Caligraph.....	68.00
30	J. K. Robinson <i>et al.</i>	Printing roll for September.....	2,280.54
30	James K. Jones <i>et al.</i>	Salaries for September.....	522.00
30	P. T. Jenkins.....	Expenses for September.....	45.00
30	J. B. Marbury.....	do.....	45.00
	Total first quarter.....		26,897.64
Oct. 1	Milton Whitney.....	Salary for September.....	244.60
1	S. H. Wright.....	Services, July 15 to Aug. 14.....	46.50
1	C. H. Darrough.....	Stencil paper.....	2.88
1	Central Type Foundry.....	Printers' supplies.....	32.40
1	H. Martin.....	Brush hook, etc.....	2.00
1	The E. S. Greeley Co.....	Copper battery, etc.....	3.78
1	O. P. Helm.....	Desk.....	30.00
1	E. Kirkpatrick.....	Chair.....	7.00
1	T. E. Howes & Co.....	Oil, etc.....	5.15
1	W. G. Banks.....	do.....	9.08

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892. Oct. 1	J. H. Carlin	Brooms, oil, etc.	\$17. 30
1	Chas. A. Muddiman	Lamps, etc.	34. 48
1	J. C. Entwistle	Engraving	5. 00
1	John C. Parker	Manila envelopes, etc.	158. 65
1	C. B. Fenton & Co.	Frames for rollers.	127. 50
3	J. D. Free, jr.	Milleographs.	334. 00
4	Chas. Cooper & Co.	Ammonia	5. 50
4	Chas. J. Cary & Co.	Engraving plates.	40. 00
4	Homer W. Styron	Rent of office, July 1 to Sept. 30.	38. 62
4	F. E. Warren	Rent of rooms, July 1 to Sept. 30.	91. 90
4	Abbie S. Ingalls	do	83. 83
4	Baer & Bloch	do	87. 50
4	Fresno Loan and Savings Bank	do	100. 00
4	R. McLaughlin	do	78. 04
4	Charles E. Bryant, receiver	do	78. 25
4	The Kearney Opera House Co.	do	75. 00
4	Catherine Wilson	do	104. 82
4	Matt Borland	do	90. 00
4	John H. Clune	do	49. 50
4	A. Schneider	do	45. 00
4	Columbus Board of Trade	do	100. 00
4	C. M. Beeson	do	97. 91
4	J. I. Franklin	Furniture, etc.	133. 75
4	W. C. Stark	Hardware	14. 34
4	Melina Wilcke	Office rent, July 1 to Sept. 30.	56. 25
4	American Exchange Bank	do	114. 45
4	Ernest Bentz	Zinc	16. 25
4	John C. Parker	Manila paper	256. 00
4	Wm. H. Carden	Services, July 1 to Sept. 30.	23. 00
4	C. H. Pond	Type, etc.	100. 25
4	George French	Rent of rooms, July 1 to Sept. 30.	86. 37
5	T. Roti	Repairing telegraph line	6. 00
5	Pay roll, Harrisburg, Pa.	Substation salaries, July 1 to Sept. 30.	92. 00
5	John A. Barker	Services as cleaner, July 1 to Sept. 30.	9. 00
5	W. J. Berry	Repairing anemometer	2. 00
5	James Joice	Services as cleaner, July 1 to Sept. 30.	3. 00
5	J. A. Hatfield	Services as displayman, July 1 to Sept. 30.	30. 00
5	E. Biondi	do	30. 00
5	J. M. Gallaher	do	15. 00
5	Fred. P. Low	do	11. 25
5	A. J. Mulligan	do	27. 00
5	Charles Gregor	Services as cleaner, July 1 to Sept. 30.	5. 00
5	Joseph G. Upthegrove	Services as displayman, July 1 to Sept. 30.	30. 00
5	F. W. Denison	do	30. 00
6	Newport News and Mississippi Valley Co.	Transmitting messages, July	5. 60
6	Charleston and Savannah Rwy. Co.	Transportation	4. 60
6	New York and New England R. R. Co.	do	12. 25
6	Pacific Postal Telegraph Co.	Transportation of messages, July	25. 03
6	Jacksonville, Tampa and Key West Rwy. Co.	Transportation	5. 60
6	Cornwell Steamship Co.	do	35. 00
6	The Enterprise Telegraph Co.	Transmitting messages, August.	2. 70
6	Fred. Harris	Repairing United States Telegraph	2. 50
6	The Baltimore and Ohio South-western R. R. Co.	Transportation	14. 00
6	New York, Connecticut and Hudson River R. R. Co.	do	36. 32
6	Sadie Robinson	Washing towels for September.	12. 50
6	Pay roll, St. Paul, Minn.	Substation salaries, July 1 to Sept. 30.	46. 00
6	Pay roll, Woods Holl, Mass.	do	40. 00
6	Pay roll, Oswego, N. Y.	do	81. 00
6	Pay roll, Wilmington, N. C.	do	128. 20
6	H. C. Frankenfield	Cartage of maps	1. 00
6	Chicago and Northwestern Rwy. Co.	Transportation	55. 50
6	Chas. A. Smith	Traveling expenses.	6. 45
6	Thos. Robinson	Services as displayman, September.	25. 00
6	Norfolk and Washington (D. C.) Steamboat Co.	Transportation	10. 50
6	Richmond and Danville R. R. Co.	do	30. 10
6	C. F. R. Wappenhaus	Traveling expenses.	5. 50
8	W. B. Stockman	Drayage	3. 57
8	Thomas Sweeney	Rent of room, July 1 to Sept. 30.	100. 76
8	Port Angeles Traffic and Transfer Co.	Repairing United States telegraph line.	14. 00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 8	Wallawalla Lodge, No. 56, I. O. O. F.	Rent of rooms, July 1 to Sept. 30.....	\$84.87
8	B. F. Nickerson	Services, Sept. 8 to 10.....	7.50
8	The Sedgwick Building Investment Co.	Rent of rooms, July 1 to Sept. 30.....	90.75
8	G. R. Kendrick	Services repairing United States telegraph	16.25
8	Thos. Watson	do.....	10.00
8	P. Laveaga, county treasurer.	Rent of rooms, July 1 to Sept. 30.....	67.00
8	W. H. Lyman	Services repairing flagstaff.....	5.00
8	Wm. B. Burford	Services binding weather maps.....	2.00
8	S. Marks & Co.	Rent of rooms, July 1 to Sept. 30.....	75.50
8	J. E. Lanonette	Repairing telegraph line.....	5.00
8	Walker & Hall	Rent of rooms, July 1 to Sept. 30.....	70.00
8	Wm. A. Johnson	Services as displayman, July 1 to Sept. 30.	30.00
8	Robert McElroy	Rent of rooms for September.....	90.00
8	Jacob Kamm	Rent of rooms, July 1 to Sept. 30.....	75.00
8	L. G. Nesmith	do.....	120.00
8	Puget Sound Coöperative Colony.	do.....	59.00
8	Paine Brothers	do.....	73.95
8	J. C. De Lany	do.....	120.00
8	Columbian Building Co.	do.....	87.50
8	Cone & Kimball Co.	do.....	100.99
8	Wm. Bell	Traveling expenses.....	8.50
8	J. M. Sherier	do.....	4.60
8	Union Ice Co.	Ice.....	5.85
8	Charles Pratt	Repairing chairs.....	2.50
8	Strickland Printing Co.	Binding weather maps.....	9.75
8	A. H. H. Stuart	Rent of rooms, July 1 to Sept. 30.....	120.00
8	F. L. Ewing	Ice, July 1 to Sept. 30.....	27.60
8	Chas. M. Shull	Repairing, etc., instrument shelter.....	5.00
8	A. P. Eagleston	Rent of rooms, July 1 to Sept. 30.....	100.00
8	Henry Moots	Repairing chairs.....	2.00
8	Andrew McMaster	Labor and material on instrument shelter	12.00
8	National Bank of Commerce	Rent of rooms, July 1 to Sept. 30.....	112.00
8	J. R. Williams	Express charges.....	3.00
8	Charles Johnson & Co.	Printing ink.....	7.50
8	Vernon H. Harris	Rent of rooms, July 1 to Sept. 30.....	16.25
8	Buffalo Board of Trade	do.....	142.06
8	Pythian Land and Building Association.	do.....	75.25
8	Smith & Swainson	Rent of rooms for September.....	10.00
8	Jennie Pritchett	Services as cleaner for September.....	6.00
8	F. M. Brown & Co.	Rent of rooms, July 1 to Sept. 30.....	100.00
8	Pay roll, Washington D. C.	Substation salaries, July 1 to Sept. 30.	33.40
8	C. F. R. Wauppenhaus	Cartage.....	1.10
8	F. A. Schneider	Hardware.....	10.42
8	Charles F. Carter & Co.	Chimneys.....	7.20
12	Steamer G. W. Danielson	Freight charges in July.....	8.35
12	Cleveland, Cincinnati, Chicago and St. Louis Rwy Co.	do.....	1.04
12	Star Union Line	do.....	6.86
12	Pennsylvania R. R. Co.	do.....	1.73
12	Savannah, Florida and Western Rwy. Co.	do.....	2.09
12	Lake Superior Transit Co.	do.....	.41
12	George Probert	Cleaning clock.....	2.00
12	Hudson & Symington	Laying carpet.....	2.15
12	Portland Gaslight Co.	Gas, July 1 to Sept. 30.....	3.75
12	The Oregon Telephone and Telegraph Co.	Telephone rental, July 1 to Sept. 30.....	22.50
12	Robert McElroy	Gas for September.....	5.40
12	Clark & Blanchard	Repairing caligraph.....	1.00
12	Arthur Helton	Relettering frames.....	3.50
12	City Gaslight Co. Norfolk, Va.	Electric lights, July 1 to Sept. 30.....	6.00
12	O. H. Willis	Water furnished, July 1 to Sept. 30.....	12.00
12	Iowa Union Telephone Co.	Telephone exchange, Aug. 1 to Sept. 30.	8.00
12	The Central District and Printing Telegraph Co.	Telephone exchange, July 1 to Sept. 30.	15.00
12	Thomas Cleary	Services as cleaner, July 1 to Sept. 30.....	17.26
12	Delaware and Atlantic Telephone and Telegraph Co.	Telephone exchange, July 1 to Sept. 30.....	12.00
12	Pay roll, New Haven, Conn.	Substation salaries, July 1 to Sept. 30.....	74.59
12	Pay roll, Savannah, Ga.	do.....	281.40
12	Pay roll, Chattanooga, Tenn.	do.....	196.60
12	S. S. Bassler	Meals and lodging for September.....	45.00
12	John C. Parker	Onion skin paper.....	937.50
12	J. D. Free, jr.	Plates for milleographs.....	18.00
12	Chicago, Burlington and Northern R. R. Co.	Transmitting messages, August.....	11.74

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 12	New England Telephone and Telegraph Co.	Exchange service and rent of telephone, July 1 to Sept. 30.	\$12.50
12	Vandalia Line	Freight charges	.87
12	J. B. Blaloch	Rent of rooms for July	24.40
12	E. H. Jamison	Rent of rooms for August and September	42.80
12	Bell Telephone Co. of Philadelphia.	Telephone exchange, July 1 to Sept. 30.	30.00
12	Sunset Telephone and Telegraph Co.	Rent of telephone, July 1 to Sept. 30.	15.00
12	R. S. Dodson	Rent of rooms, July 1 to Sept. 30.	131.25
12	New York and Pennsylvania Telephone and Telegraph Co.	Exchange service, July 1 to Sept. 30.	6.00
12	Duluth Telephone Co.	do	15.00
12	The Bell Telephone Co. of Buffalo.	Rent of telephone, July 1 to Sept. 30.	17.50
12	The Southern New England Telephone Co.	Rent of telephone, etc., July 1 to Sept. 30.	31.25
12	J. G. Payne, attorney	Rent of rooms, July 1 to Sept. 30.	63.23
12	B. P. Nickerson	Repairing telegraph line	5.00
12	Chicago, Burlington and Quincy R. R. Co.	Transportation	28.15
12	Old Dominion Steamship Co.	do	16.00
12	A. P. Rohde	Repairing flagstaff	6.00
12	The A. P. Miller Co.	Chairs	6.00
12	Constitution Job Office	Printing Crop Bulletin, July 1 to Sept. 30.	39.00
12	Atlanta Telephone Exchange.	Rent of telephone, July 1 to Sept. 30.	17.00
12	Miles Jackson	Services as elevator for September.	5.00
12	East Tennessee Telephone Co.	Exchange service, July 1 to September 30.	15.00
12	P. Connor	Street-car tickets	2.60
12	E. J. Gifford	Services as river observer, July 1 to Sept. 30.	23.00
12	The Cleveland Telephone Co.	Exchange service, July 1 to Sept. 30.	18.00
12	C. E. Haynes	Services as cleaner, July 1 to Sept. 30.	15.00
12	Telephone and Telegraph Construction Co.	Rent of telephone, July 1 to Sept. 30.	12.00
12	The Northwestern Telephone Exchange Co.	do	18.00
12	City and Suburban Telegraph Association	Telegraph service, July 1 to Sept. 30.	25.00
12	Missouri and Kansas Telephone Co.	Transmitting messages	12.00
12	Telephone and Telegraph Construction Co.	do	10.00
12	James Evans	Services as cleaner, July 1 to Sept. 30.	9.00
12	Richard Titus	do	4.00
12	Emma Ling	do	5.00
12	The Atchison, Topeka and Santa Fe R. R. Co.	Transportation	2.90
12	Wm. Broyles	Painting instrument shelter	4.50
12	M. G. Copeland & Co.	Flags	768.84
12	A. H. Webb	Services as displayman, July 1 to Sept. 30.	24.00
12	Pay roll, Memphis, Tenn., sub-station.	Salaries, July 1 to Sept. 30.	277.00
12	H. C. Warner	Repairing clock	4.00
12	J. G. Whitfield	Services in graduating river gauge, etc.	5.00
12	Sussfeld, Lorsch & Co.	Telescope	60.00
12	Challs Hayman	Services as cleaner, July 1 to Sept. 30.	7.50
12	Geo. N. Salisbury	Repairing thermograph	1.00
12	Chicago Auditorium Asso.	Rent of rooms, July 1 to Sept. 30.	172.56
12	Chicago Telephone Co.	Rent of telephone, July 1 to Sept. 30.	31.25
12	P. M. De Vitt.	Rent of rooms, July 1 to Sept. 30.	100.62
12	B. S. Williams	do	66.00
12	Albert Martv	do	169.49
12	First National Bank, Bismarck N. Dak.	do	99.00
12	Pascual Moreno	Services as janitor, July 1 to Sept. 30.	6.00
12	S. A. Raymond	Rent of rooms, July 1 to Sept. 30.	175.00
12	Forbes & Breeden	Furniture	85.00
12	Stock Growers' National Bank.	Rent of rooms, July 1 to Sept. 30.	37.50
12	Margaret Parmentier	do	75.00
12	Staples & Pelan	do	57.12
12	Pay roll, Raleigh, N. C., sub-station.	Salaries, July 1 to Sept. 30.	92.00
12	S. P. Tolleson	Office case	9.50
12	Amarillo Improvement Co.	Rent of rooms, July 1 to Sept. 30.	66.75
12	Broadwater & Pepin	Rent of rooms, September	30.00
12	do	Ice, September	3.00
12	Clarence Gentzen	Services as cleaner, July 1 to Sept. 30.	9.00
12	Comb Toilet Stand Co.	Toilet services for September.	1.50
12	J. C. Entwistle	Rags	8.00
14	Ed. Okels	Lumber	6.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 14	Pay roll, Jacksonville, Fla., substation.	Salaries, July 1 to Sept. 30.....	\$45.00
14	H. Irwin.....	Railroad fare and berth.....	2.50
14	Paul Wilson.....	Rent of rooms, July 1 to Sept. 30.....	84.00
14	James Ballard.....	Services as lineman, Sept. 7 to 30.....	4.80
14	Loeffelholz & Co.....	Signal lamps.....	330.00
14	H. Overholser.....	Rent of rooms, July 1 to Sept. 30.....	101.75
14	Riley Watson.....	do.....	103.53
14	Julien P. Friez.....	Surface gauge, etc.....	28.18
14	Thomas Duncan.....	Services as displayman, July 1 to Sept. 30.....	24.00
14	Daniel Hoeshl.....	Washing towels, July 1 to Sept. 30.....	5.25
14	J. N. Applebaugh.....	Services as displayman, July 1 to Sept. 30.....	36.00
14	H. D. Olds.....	Services, rainfall observer, July 1 to Sept. 30.....	9.20
14	W. B. Stack.....	Services, rainfall observer, July 1 to 17.....	3.20
14	Great Southern Telephone and Telegraph Co.....	Telephone service, July 1 to Sept. 3.....	15.00
14	Lynchburg Telephone Ex- change.....	Rent of telephone, July 1 to Sept. 30.....	10.00
14	D. S. Hutchinson.....	Rent of rooms, July 1 to Sept. 30.....	85.74
14	E. A. Clarke & Co.....	do.....	77.82
14	George E. Gunt.....	Recasting rollers, etc.....	2.05
14	Hanna L. Simmons.....	Rent of rooms, July 1 to Sept. 30.....	70.00
14	W. H. Wood & Co.....	do.....	75.00
14	Chamber of Commerce Build- ing Co.....	do.....	75.21
14	James Baker.....	do.....	68.75
14	F. L. Jackson, agent.....	do.....	24.75
14	M. J. Metcalf.....	do.....	6.00
14	First National Bank of Pales- tine, Tex.....	do.....	78.50
14	W. C. Stark.....	Plumbers' supplies.....	12.40
14	Nic. Tengg.....	Ink and mucilage.....	2.30
14	Geo. Dulling.....	Matches, oil, etc.....	5.25
14	Alamo Fire Insurance Co.....	Rent of rooms, July 1 to Sept. 30.....	75.00
14	Memphis Light and Power Co.....	Rent of electric lights for September.....	6.12
14	Southern Bell Telephone and Telegraph Co.....	Savannah, telephone exchange, July 1 to Sept. 30.....	18.00
14	do.....	Charleston telephone exchange, July 1 to Sept. 30.....	15.00
14	Pay roll, Kansas City, Mo., substation.	Salaries, July 1 to Sept. 30.....	95.00
14	Pay roll, Shreveport, La.....	do.....	92.75
14	Missouri and Kansas Tele- phone Co.....	Telephone exchange, July 1 to Sept. 30.....	18.00
14	Nebraska Telephone Co.....	do.....	15.00
14	Erie Telegraph and Telephone Co.....	do.....	12.00
14	Asa Dasher.....	Ice, July 1 to Sept. 30.....	18.40
14	S. L. Dasher.....	Sevices as cleaner, July 1 to Sept. 30.....	4.50
14	J. T. Harper.....	Kerosene oil, etc.....	2.90
14	C. A. Morris.....	Oil.....	18.00
14	Wm. Ballantyne & Sons.....	Stationery.....	345.58
15	Savannah, Florida and West- ern Rwy Co.....	Transportation.....	5.15
15	E. J. Brooks & Co.....	Twine, etc.....	190.76
15	do.....	Halyards, etc.....	1.65
15	Pacific Postal Telegraph Cable Co.....	Transmitting messages, August.....	26.33
15	do.....	Transmitting messages, July and August.....	12.41
15	C. H. Burdick.....	Repairing furniture.....	12.50
15	James R. Hobbs.....	Transportation.....	3.50
15	Robert C. Orrell.....	Livery hire.....	3.00
15	The Great North Western Tele- graph Co.....	Transmitting messages, August.....	169.16
15	Jol Coley.....	Services, linemen for September.....	14.00
15	The Concord and Montreal R. R. Co.....	Transportation.....	15.55
15	W. H. Renear.....	Livery hire, July 1 to Sept. 30.....	17.40
15	A. R. Willmann.....	Repairing vane.....	1.25
15	Nelson Cuyler, jr.....	Services, Sept. 7.....	5.00
15	P. A. Kolstad & Bro.....	Repairing clock.....	1.50
15	James Cameron.....	Livery hire.....	1.50
15	Chas. R. Grinnell.....	Boat hire.....	3.00
15	F. L. Gifford.....	Repairing instrument shelter.....	14.00
15	N. A. Parker.....	Furniture.....	6.05
15	Pay roll, Narragansett Pier Co., substation.	Salaries, July 1 to Sept. 30.....	60.00
15	H. M. Knowles.....	Services as repairman, July 10-11.....	80.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 15	Pay roll, Louisville, Ky., sub-station.	Salaries, July 1 to Sept. 30.....	\$17.60
15	M. Cotter	Ice, Aug. 1 to Sept. 30.....	6.10
15	do	Hauling supplies	2.50
15	The Colorado Fuel Co	Coal	88.80
15	Patrick Stran	Services as cleaner for September	5.00
15	John C. Parker	Envelopes	94.70
15	James E. Turton	Map frames	157.08
15	Wm. R. Bushby	Meals and lodging, Oct. 3 to 10.....	19.90
15	B. H. Bronson	Drayage, Sept. 4 to 15.....	3.00
15	E. F. Hallack	Rent of rooms, July 1 to Sept. 30.....	150.00
15	Tissot & Schultz	Screws	43.28
15	W. L. R. A. & E. H. Andres.....	Rent of rooms, July 1 to Sept. 30.....	59.32
15	Pay roll, Boston, Mass., sub-station.	Salaries, July 1 to Sept. 30.....	432.75
15	McCommick & Bates	Cartage .....	.75
15	Henry Siegel	Drayage	1.00
15	M. E. Conway	Rent of rooms, July 1 to Sept. 30.....	37.74
15	People's Dispatch Co	Freight transportation in August	1.13
15	John M. Williams	Hauling, July and August	7.82
15	do	Hauling, September	10.84
15	Forsberg & Murray	Wind vanes, etc	514.75
17	Hudson River Telephone Co	Transmitting messages, July 1 to Sept. 30.....	15.35
17	Ocean Tow Boat Lines Tele-graph Co.	Transmitting signals, September.....	30.00
17	East Louisiana R. R. and Tele-graph Co.	Transmitting telegrams, Aug. 16 to Sept. 30.....	4.60
17	Breaux Bridge Tel. Co	Transmitting messages, July 1 to Sept. 30.....	7.90
17	M. Cotter	Repairing U. S. telegraph, July 1 to Sept. 30.....	38.75
17	Edward Drinkwater	Telegraph poles, etc	8.00
17	Herman Drinkwater	Repairing telegraph lines	10.00
17	L. H. Murdock	Car fare for September	3.00
17	Pay roll, Augusta, Ga., sub-station.	Salaries, July 1, to Sept. 30.....	193.00
17	P. T. Jenkins	Traveling expenses, Sept. 30 to Oct. 1	5.75
17	Pay roll, Charleston, S. C., sub-station.	Salaries, July 1 to Sept. 30.....	279.60
17	Pay roll, Pittsburg, Pa	do	436.80
17	Salt Lake Board of Trade	Rent of rooms, July 1 to Sept. 30.....	137.50
17	Gibson Telegraph Line	Transmitting messages, July 1 to Sept. 30.....	15.60
17	Real Estate and Law Building Co. .	Rent of rooms, July 1 to Sept. 30.....	44.86
17	Pay roll, Cincinnati, Ohio, sub-station.	Salaries, July 1 to Sept. 30.....	320.90
17	Royce & Marean	Electrical supplies	387.24
17	Easton & Rupp	Cardboard	27.50
17	Wm. Ballantyne & Sons	Paper for printing	394.80
17	James B. Lambie	Tacks	1.60
18	The First National Bank, Moor-head.	Rent of rooms, July 1 to Sept. 30.....	66.31
18	Geo. Harris	Services as cleaner, July 1 to Sept. 30.....	15.00
18	Cotton Exchange Building Co.	Rent of rooms July 1 to Sept. 30.....	120.00
18	Geo. W. Williams	do	117.93
18	Pay roll, Cairo, Ill., sub-station.	Salaries, July 1 to Sept. 30.....	216.00
18	J. B. Grady	Rent of rooms July 1 to Sept. 30.....	105.94
18	Little Rock Board of Trade	do	97.70
18	Great Southern Telephone Co.	Transmitting messages, July 1 to Sept. 30.....	15.00
18	The Ohio Valley Telephone Co.	Telephone exchange, July 1 to Sept. 30.....	18.00
18	The Southwestern Telegraph and Telephone Co.	do	12.00
18	Brush Electric Light and Power Co.	Electric lights, July 1 to Sept. 30.....	13.75
18	Southern Bell Telephone and Telegraph Co.	Telephone exchange, July 1 to Sept. 30.....	15.00
18	Jno. M. Klein	Labor and material	40.00
18	Henry Bolton	Rent of rooms July 1 to Sept. 30.....	52.84
18	Frederick Davis	Coal	56.00
18	E. T. Webber	Rent of rooms July 1 to Sept. 30.....	90.00
18	F. J. Masterson	Repairing furniture	10.00
18	Grant Rivenberg	Ice, July 1 to Sept. 30.....	6.90
19	W. C. McGuinness	Traveling expenses	8.40
19	L. M. Howard	Transmitting messages, July 1 to Sept. 30.....	22.50
19	Savannah Board of Trade	Rent of rooms July 1 to Sept. 30.....	78.25
19	Denver and Rio Grande R. R. Co.	Transporting freight	3.54
19	Colorado Midland Rwy. Co	do	1.45
19	Vandalia Line	do	1.17

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 19	Julien I. Freiz	Barometer boxes	\$510.00
19	Pay roll, Erie, Pa., substation.	Salaries July 1 to Sept. 30.....	60.00
19	F. R. Matthews & Co	Repairing caligraph	9.10
19	A. E. Hackett	Meals and lodging, Sept. 20 to Oct. 7	12.20
19	F. C. Hyde	Services, July 1 to Sept. 30.....	23.00
19	J. C. Morrell	Services as displayman September	20.00
19	W. B. Moses & Sons	Rugs, etc	104.50
19	John C. Parker	Stationery	225.33
19	do	Envelopes	79.00
19	James B. Lambie	Tacks	1.60
22	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Transmitting messages, August	68.43
22	do	Transmitting messages, July	72.37
22	P. J. Cahill	Repairing boats, etc	5.00
22	Montgomery Real Estate Association.	Rent of rooms, Aug. 1 to Sept. 30	37.50
22	Campbell & Gregg	Towel supply, July 1 to Sept. 30.....	3.00
22	John L. Mitchell, executor	Rent of rooms, July 1 to Sept. 30.....	163.75
22	Annie A. McGovern	do	85.92
22	Bohlen-Huse Machine and Lake Ice Co.	Ice, July 1 to Sept. 30.....	9.20
22	W. S. Nichols & Co	Provisions for Pikes Peak, October	327.70
22	Anna L. Bean	Services, July 1 to Sept. 30	9.20
22	Pay roll, Milwaukee, Wis., substation.	Salaries, July 1 to Sept. 30.....	240.00
22	Pay roll, Chicago, Ill	do	240.00
22	Pay roll, Atlanta, Ga.	do	152.40
22	M. Steiger	Ice, July 1 to Sept. 30.....	16.00
22	Kate E. Reynolds	Services as cleaner, July 1 to Sept. 30	15.00
22	Winkley, Dresser & Co.	Ink, etc	6.50
22	H. E. Bowen	Repairing printing press	30.00
22	Amasa S. Dyer	Services as displayman, July 1 to Sept. 30.....	30.00
22	Wisconsin Telephone Co	Telephone exchange, July 1 to Sept. 30	12.00
22	Thomas H. Wagner	Repairing river gauge	8.00
22	Ehrinhaus Bros. & Co	Feed	27.35
22	George S. Waite	Rent of rooms, July 1 to Sept. 30.....	103.86
22	Hornby & Carman	Services in making repairs	13.00
22	Bryant, McEachin & Lacey	Rent of rooms, July 1 to Sept. 30.....	90.41
22	Daniel James	Services as cleaner, July 1 to Sept. 30.....	3.00
22	S. F. Taylor	Rent of rooms, July 1 to Sept. 30.....	66.00
22	D. B. Bybee	Services as cleaner, Aug. 1 to Sept. 30.....	8.00
22	W. H. B. Cron	Services furnishing water, July 1 to Sept. 30.....	1.50
22	Isabella Reinhart	Services as cleaner, September 1 to 30.....	3.00
22	First National Bank	Rent of rooms, July 1 to Sept. 30.....	85.75
22	Masonic Temple Association	do	75.00
22	Missouri and Kansas Telephone Co.	Rent of telephone, July 1 to Sept. 30.....	21.00
22	W. H. Saxton, jr.	Repairing clock	2.50
22	Bell Telephone Co. of Missouri.	Telephone exchange, July 1 to Sept. 30.....	16.25
22	V. C. Meysohoffer	Rent of rooms, July 1 to Sept. 5.....	43.33
22	S. W. Glenn	Board and lodging, Sept. 1 to 30	45.00
22	Great Southern Telephone and Telegraph Co.	Transmitting messages, July 1 to Sept. 30.....	25.00
25	Isaac Friedenwald	Stationery, absorbent paper	1,102.75
25	George H. Fuller Desk Co.	Office chair	4.00
25	John Steinmetz	Cleaning river gauge	2.30
25	Margaret Cumming	Typewriter	75.00
25	Wm. Frizzell & Sons	Coal, etc	77.00
25	The Manhattan Supply Co.	Clocks	138.78
25	Pay roll, Lacrosse, Wis., substation.	Salaries, July 1 to Sept. 30.....	18.40
25	T. F. Townsend	Traveling expenses	100.56
25	J. M. Bates	Painting river gauge	3.00
25	Pay roll, St. Louis, Mo., substation.	Salaries, July 1 to Sept. 30.....	285.55
25	Astoria Gaslight Co	Gas, July 1 to Sept. 30.....	1.95
25	Thomas Crawford	Traveling expenses	3.25
25	S. O. Sistrunk	Services as river observer, Aug. 1 to Sept. 30.....	14.75
25	H. H. Buhne	Rent of room, July 1 to Sept. 30.....	72.41
25	Central District and Printing Telegraph Co.	Telephone exchange, July 1 to Sept. 30.....	12.50
25	George Staigl	Repairing lounge	5.00
25	F. A. Schneider	Harness supplies	3.45
25	C. Witmer & Co.	Corn starch	3.20
26	The Ohio River Telegraph Co.	Transmitting messages, July 1 to Sept. 30.....	16.00
26	John J. Veeder	Hire of steam launch repairing telegraph line	16.00
26	Burton Bros.	Ice, Aug. 23 to Sept. 30.....	1.70
26	Hillie Hoskin	Services as cleaner, Aug. 1 to Sept. 30.....	6.50

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 26	A. E. Hackett	Drayage, September	\$1.40
26	Montgomery Light Co.	Gas, Aug. 15 to Sept. 30.	1.80
26	Cumberland Telephone and Telegraph Co.	Transmitting messages, July 1 to Sept. 30.	7.10
26	Shiff & Dawson	Repairing river gauge	10.00
26	Wisconsin Telephone Co.	Rent of telephone, July 1 to Sept. 30	15.00
26	Thomaston and Barnesville Telegraph Line.	Transmitting messages, September	2.60
26	Arkansas Telephone Co	Rent of telephone, July 1 to Sept. 30	9.75
26	R. Q. Grant	Drayage, July and August.	2.75
26	James Anderson	Repairing telegraph line	3.00
26	Thomas Roti	Repairing United States telegraph line	4.50
26	C. L. Bozzell	Drayage, September	3.00
26	Pay roll, Little Rock, Ark.	Substation salaries, July 1 to Sept. 30	199.20
26	Fred Harris	Repairing United States telegraph line	5.00
26	J. E. Scully	do	2.50
26	C. C. Ames	do	22.50
26	Henry Anderson	Services assistant repairman, Sept. 3 to 10	20.00
26	Port Angeles Traffic and Trans- fer Co.	Repairing United States telegraph line	9.25
26	Central Ice Co.	Ice, Sept. 1 to Oct. 10.	8.00
26	G. C. Wilkins	Repairing clock	3.00
26	W. C. Tickert	Repairing wire cot	2.00
26	E. H. Emery	Cartage	1.75
26	Joseph Lawrence	Services, July 1 to Sept. 30.	21.00
26	Lorenzo Littlefield	Rent of rooms, July 1 to Sept. 30	42.50
26	E. R. Demain	Drayage	1.80
26	Arctic Ice Co	Ice, September	4.50
26	Edward Vail & Co	Repairing clock	1.50
26	Lucius M. Sheldon, by H. B. Stevens, attorney in fact.	Rent of rooms, July 1 to Sept. 30	84.42
26	Amanda B. Alter	Cleaning river gauge	1.50
26	F. F. Voight	Repairing chairs	45.50
26	Lake Shore and Michigan Southern Rwy. Co.	Transportation	46.84
27	Royce & Marean	Pliers, etc.	194.00
27	Homer J. Hart	Repairing United States telegraph line	25.00
27	New York Central and Hudson River R. R. Co.	Transportation	14.62
27	Philadelphia, Reading and Pottsville Telegraph Co.	Transmitting messages, September	8.99
27	New England Telephone and Telegraph Co.	do	2.70
27	New York, New Haven and Hartford R. R. Co.	Transportation	13.25
27	Hezekiah Bowman	Packing and delivering book	1.50
27	Clarksburg and Weston Tele- graph Co.	Transmitting messages, September	16.40
27	J. R. Clinton	Repairing U. S. telegraph line	3.50
27	Julien P. Friez	Clock construction	32.50
27	Boston and Maine R. R.	Transportation	1.30
27	Great Western Type Foundry	News cases	3.00
27	Francis D. Clark	Recaning chairs	2.30
27	C. S. Woodman	Drayage	1.25
27	M. F. Hayes	do	2.00
27	Rigby & Wilson	Battery stand	5.00
27	F. C. Hall	Hotel expenses, Oct. 7 to 10	6.50
27	Pay roll, New Orleans, La	Substation salaries, July 1 to Sept. 30	530.70
27	Pay roll, Galveston, Tex	do	283.20
31	J. K. Robinson <i>et al</i>	Printing for October	2,105.46
31	James K. Jones <i>et al</i>	Salaries for October	539.00
31	S. W. Glenn	Board and lodging, October	45.00
31	S. S. Bassler	do	45.00
31	John P. Church	Typewriter	70.00
Nov. 1	Milton Whitney	Salary for October	252.70
3	Sheffield Manufacturing Co.	Envelopes	1,719.35
3	Thomas Robinson	Traveling expenses in October	20.47
3	Pay roll, Vicksburg, Miss.	Substation salaries, July 1 to Sept. 30	141.00
3	Wyoming Midland Telegraph Co.	Transmitting messages, September	12.40
3	Wm. H. H. Smith	Livery hire, September	4.50
3	Frank L. Loftus	Linoleum	40.00
3	R. A. Habersham	Services, Oct. 7	10.00
3	C. Endress & Sons	Telephoning, July to September, inclusive	5.00
3	J. E. A. Harris	Constructing river gauge	55.00
3	W. M. Wilson	Drayage	3.00
3	B. S. Payne	Traveling expenses, September	19.00
3	Chicago, Burlington and Northern R. R. Co.	Transporting messages, September	11.26

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Nov. 3	Lewis R. Dey	Map-shading outfit	\$240.00
3	W. H. Barnard & Co	Labor and material	3.25
3	McKinley Bros	Labor and material erecting river gauge	60.00
3	Jno. M. Klein	Office supplies, blankets, etc	130.95
3	G. G. Wright	Coal scuttle	1.00
3	H. H. Stafford Son & Co	Ink, mucilage, etc.	5.50
3	M. W. Etheridge	Transporting repairman	7.00
3	J. E. Lanonette	Drayage	1.15
3	Case, King & Wodzitzki	Brooms	2.20
3	S. M. Bladford	Hauling .....	.50
3	P. T. Jenkins	Meals and lodging, Oct. 11 to 15	10.50
3	Natchitoches and People's Telegraph Line.	Transmitting reports, July 1 to Sept. 30	45.00
3	Thomas Roti	Wood	100.00
3	Robert McElroy	Rent of rooms for October	90.00
3	Pacific Club	Rent of rooms, July 1 to Sept. 30	72.50
3	The Northwestern General Electric Co.	Wire, etc	23.13
3	Telephone and Telegraph Construction Co.	Exchange service, July 1 to Sept. 30	125.00
3	W. J. McNaughton	Labor and material erecting river gauge	150.00
3	Cumberland Telephone and Telegraph Co.	Transmitting messages, July 1 to Sept. 30	74.80
3	J. B. Marbury	Traveling expenses	8.00
3	Julius Herbst	Shelving	13.00
3	Robert McElroy	Gas for September	9.60
3	Geo. H. Fuller Desk Co.	Repairing desk	3.00
3	James Joice	Services as cleaner for October	3.00
3	George C. Felker	Services and material, painting	15.00
3	Charles A. Kimball	Services as displayman, July 1 to Sept. 30	15.00
3	W. S. Gosnell	Services as cleaner for October	5.00
3	Sadie Robinson	do	12.50
3	Joseph Gussenhoven	Stove, board, etc	5.50
3	D. P. McCallum	Traveling expenses	2.10
3	Henry Goucher	Express on baggage .....	.50
3	John McKenna	Services as cleaner for September	10.00
3	Frank Ridgway	Meals, Oct. 21 and 22	3.50
3	P. T. Jenkins	Traveling expenses	3.50
3	A. F. Vorce	Services, July 1 to Sept. 30	30.00
3	Maurice Joyce	Electrotypes	110.50
3	C. F. Marvin	Traveling expenses	125.90
3	M. G. Copeland & Co.	Flag	12.50
4	R. L. Packard	Salary, Oct. 19 to 31	42.39
5	John C. Parker	Manila envelopes	1,875.75
5	C. B. Fenton & Co.	Recasting rollers	47.25
5	Pay roll, Montgomery, Ala.	Substation salaries, July 1 to Sept. 30	343.00
5	Pay roll, Nashville, Tenn.	do	22.95
5	Pay roll, Fort Smith, Ark.	do	27.60
5	Pay roll, Mobile, Ala.	do	191.40
5	Newport News and Mississippi Valley Co.	Transmitting messages, August	5.40
5	Louisville and Ackerman Telephone Co.	Transmitting messages, July 1 to Sept. 14	6.25
5	James W. Queen & Co.	Field glass	27.00
5	New York and New England R. R. Co.	Transportation	12.25
5	Rising Sun Telegraph Line.	Transmitting messages, July 1 to Sept. 30	7.70
5	S. J. Lutz & Co.	Coal oil	4.50
5	J. T. Dodge	Stove and pipe	36.00
5	A. Pritchard	Services, Oct. 10 and 11	5.00
5	Michigan Bell Telephone Co.	Transmitting messages, July 1 to Sept. 30	317.58
5	George Altree	Oars	1.40
5	W. M. Case	Services, October	40.00
5	Little Northern Telegraph Co.	Transmitting messages, July 1 to Sept. 30	6.25
5	Thomas Roti	Repairing United States Telegraph line	14.00
5	E. A. Horton	Stove	17.50
5	L. B. Midgett, jr.	Ferriage, repairman, Oct. 1	3.25
5	Frank Perry	Telephoning, July 1 to Sept. 30	1.10
5	do	do	23.40
5	W. C. Henderson	Coal	20.06
5	Chas. H. Hart & Co.	Painting river gauge	10.00
5	James J. Senrig	Graduating, etc., river gauge	150.00
5	Courier-Journal Co.	Rent of rooms, July 1 to Sept. 30	69.00
5	Charles Shea	Services, July 1 to Sept. 30	30.00
5	New England Telephone and Telegraph Co.	Telephone service for September	4.17
5	do	Rent telephone, July 1 to Sept. 30	12.50
5	First National Bank, Portland, Me.	Rent of rooms, July 1 to Sept. 30	126.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892. Nov. 5	B. E. Higgs	Labor and material constructing river gauge.	\$20.00
5	W. B. McMurray	Setting river gauge	5.00
5	Williams & Hunting Co	Constructing river gauge	20.00
5	F. St. John	Dressing stone pier for river gauge	15.00
5	Chas. Gregor	Services as cleaner for October	5.00
5	H. J. Penrod	Meals and lodging, Oct. 19 to 27	9.35
5	J. E. Lanonette	Hauling stores, October	1.50
5	MacLeod & Young	Services as engineer	50.00
5	Chesapeake and Ohio Rwy. Co.	Transportation	14.00
5	C. F. R. Wappenhaus	Board for October	45.00
5	H. H. Clayton	Board and lodging, October	45.00
5	Pittsboro Telegraph Line	Transmitting messages, July 1 to Sept. 30.	15.60
5	W. P. Wilson	Salary, Sept. 1 to Oct. 31	100.00
7	Louisville and Nashville R. R. Co.	Transportation	17.10
7	Illwaco Ry. and Navigation Co.	Transporting freight .....	.48
7	Burlington and Missouri River R. R. in Nebraska.	Transportation	13.90
7	Baltimore and Ohio R. R. Co.	Transporting freight .....	.76
7	Hannibal and St. Joseph R. R. Co.	do	3.79
7	do	do .....	.22
7	L. N. Heil	Rent of rooms, July 1 to Sept. 30	98.00
7	Brandon Printing Co.	Typewriter	88.00
7	M. U. Esderts	Desk	25.00
7	Galveston Cotton Exchange	Rent of office, July 1 to Sept. 30	78.25
7	Charleston City Rwy. Co.	Street-car tickets	16.00
7	Indian River Steamboat Co.	Transporting freight	1.20
7	Wilmington, Columbia and Augusta R. R. Co.	do	1.56
7	St. Louis and San Francisco Rwy. Co.	do .....	.71
7	James Cameron	Hire of team	2.00
8	Munfordville Short Line Telegraph.	Transmitting messages, July 1 to Sept. 30	3.80
8	Ohio and Mississippi Rwy. Co.	Transporting freight	8.63
8	Vanderbilt University	Rent of office, July 1 to Sept. 30	95.07
8	Switzer, Newitter & Co	Oilcloth	2.50
8	H. C. Schultz	Instrument stand	9.00
8	Smith & Swainson	Rent of room for October	10.00
8	Broadwater & Pepin	Coal	59.00
8	Jno. F. Jackson	do	21.00
8	Fred D. Alling	Office supplies, matches, etc.	5.00
8	R. M. Mansford	Ink, mucilage, etc	9.30
8	C. G. Abercrombie	Coal	5.75
8	Joseph Ridgway, jr.	Recording observations, July 15 to Oct. 15.	145.50
8	J. C. Entwistle	Engraving rain chart	5.00
8	J. H. Mills & Co	Composing sticks, etc.	189.12
8	I. M. Cline	Traveling expenses	9.95
9	Old Colony R. R. Co.	Transportation	10.05
9	State Printing and Publishing Co.	Book paper	4.50
9	Chas. A. Smith	Dating stamp	1.00
9	Jordan & Hedderick	Coal	96.00
9	Broadwater & Pepin	Rent of rooms for October	30.03
9	Easton & Rupp	Envelopes, etc.	115.57
9	Andrew Renz	Sharpening paper knife	1.50
10	Isaac Friedenwal	Letter heads	534.45
10	Leon J. Glaenzer & Co.	Hygrometer sheets	5.60
10	Alexander H. Revell & Co.	Linoleum	73.50
10	W. G. Hamilton	Repairing Weather Bureau building, November.	1,585.00
10	F. L. Jackson, agent	Rent of rooms for October	24.75
10	Newman & Son	Cyclostyle pens	424.00
10	J. C. Addison	Manila board	16.50
10	F. A. Schneider	Hardware	27.57
10	Thomas Somerville & Sons	Castings, etc .....	.85
10	I. M. Cline	Drayage	1.40
11	Lenoir and Blowing Rock Telegraph Co.	Transmitting messages, July 1 to Sept. 30.	15.40
11	Chas. Cooper & Co.	Ammonia	5.00
11	Chas. Euen, Johnson & Co.	Printing ink	9.38
11	Keuffel & Esser Co	Measuring sticks	52.50
11	Mineralized Rubber Co	Rubber blankets	58.80
11	Chas. Carter & Co	Hardware	4.10
11	W. T. Galliher & Bro	Lumber	221.15
11	Easton & Rupp	Cardboard	55.00
11	M. G. Copeland & Co.	Pennants	32.90

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Nov. 11	James B. Lambie	Wire	\$0.90
11	Wm. Ballantyne & Sons	Hazen's tables	10.00
11	Andrew B. Graham	Engraving stone	10.00
11	Royce & Marean	Battery jars	36.00
12	Michigan Central Railroad Co.	Transportation	20.90
12	H. F. Gullison & Co.	Carpet	27.00
12	J. Handy	Services, Sept. 26	10.00
12	Richard Titus	Services as cleaner for October	4.00
12	W. H. Gaskins	Boat hire	3.00
12	Jennie Pritchett	Services as cleaner for October	3.00
12	Miles Jackson	do	5.00
12	Emma Ling	do	5.00
14	Sharbers & White	Office supplies, stoves, etc	34.35
14	Wm. H. H. Smith	Repairing United States telegraph line	28.00
14	Nelson P. Ewer	Services as laborer, October	4.00
14	Owen Terry	do	4.00
14	Samuel B. Smith	do	9.00
14	J. N. Applebaugh	Services as displayman, October	36.00
14	Wilson & Seay	Services constructing river gauge	35.00
14	Welsh & Bro	Repairing clock	1.50
14	Julien P. Friez	Repairing anemometers	525.00
14	A. W. Stevens	Hauling supplies, October	1.75
14	F. H. Clarke	Hauling supplies, August and October	1.85
14	James R. Hobbs	Hire of horse and cart	1.50
14	James P. Slaughter	Hauling supplies	1.10
14	M. B. Torbett & Co.	Caligraph stand	5.00
14	Park Morrill	Traveling expenses	30.33
14	E. J. Gifford	Services for October	7.75
14	Ole Walen	Services, Nov. 4	5.00
14	Los Angeles Furniture Co.	Stand for typewriter	2.50
14	E. H. Boos & Co.	Office chairs	11.00
14	Thos. Robinson	Services for October	25.00
14	G. W. Moss	Excursion ticket to Mexico and return	188.00
16	H. Brown	Drayage	.75
16	Combination Toilet Stand Co.	Toilet service for October	1.50
16	D. T. Flannery	Drayage	3.50
16	Baltimore and Ohio R. R. Co.	Transportation	32.25
16	John H. Flemm	Repairs to river gauge	7.00
16	McKinley Bros.	Labor and material	20.00
16	T. F. Townsend	Traveling expenses, October	112.88
16	E. M. Walters	Hauling	7.50
16	Memphis Light and Power Co.	Rent of electric lights, October	3.38
16	I. M. Cline	Reefing halyards	3.00
16	Smedley Bros & Co.	Drayage	3.88
18	Chicago and Northwestern Rwy. Co.	Transportation	6.50
18	Wyoming Midland Telegraph Co.	Transmitting messages, October	13.10
18	S. S. Bassler	Traveling expenses	2.00
18	E. H. Emery	do	3.00
19	M. H. Garland	Level for river gauge	3.00
19	Jno. M. Klein	Moving furniture, etc.	290.00
19	Isabella Reinhart	Services as cleaner, October	3.00
19	Thomas Roti	Repairing United States telegraph	8.00
19	Frank Willard	Telegraph poles	1.80
19	John F. Williams	Painting instrument shelter, etc	12.00
19	John S. Beach	Repairing stove, etc	2.10
19	R. E. Kerkam	Traveling expenses	6.50
19	Philadelphia, Reading and Pottsville Telegraph Co.	Transmitting messages, October	8.43
19	Merchants' Steamship Co.	Freight charges	2.27
19	Hastings Steamboat Co	do	5.50
19	John C. Davis	do	2.73
19	Ocean Towboat Line	Transporting signals, October	30.00
19	William E. Hook, jr	Services as cleaner	8.00
19	Geo. W. Keyes	Services for October	3.10
19	L. Roy Mansfield	Repairs to typewriter	60.00
21	Minneapolis, St. Paul and Sault Ste. Marie Rwy Co.	Transmitting messages, September	64.01
21	Pennsylvania R. R. Co.	Transportation	96.24
21	East Tennessee, Virginia and Georgia Rwy.	do	3.00
21	Philadelphia and Reading R. Co.	do	5.68
21	Pay roll, Detroit, Mich., sub-station.	Salaries, July 1 to Sept. 30	90.00
21	L. A. Nellis	Repairs of river gauge	8.00
21	Roehm & Son	Repairs on clock	2.00
21	J. C. Morrell	Services, October	20.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Nov. 21	H. T. McGuire	Cleaning furniture, etc.	\$10.00
22	Smith & Conklin	Desks, etc.	156.00
22	John Henry	Coal	4.25
22	John L. Wise	Brushes	22.00
22	Alex. Pavarini & Son	Packing boxes, etc.	84.50
22	Israel W. Stone	Traveling expenses	26.85
22	John M. Williams	Hauling	13.30
22	do	do	1.84
22	H. J. Penrod	Transporting supplies	4.85
22	Jas. A. Barry	Drayage, etc.	3.80
22	Chesapeake and Potomac Telephone Co.	Telephone service, July 1 to Sept. 30	25.00
22	J. K. & B. Sears & Co.	Labor and material	6.18
22	Robert McElroy	Gas for October	15.40
22	J. C. Entwistle	Engraving, etc.	23.00
25	John M. Klein	Drayage	19.00
25	A. W. Keffer	Labor and material	15.00
25	W. L. Moore	Drayage, etc.	3.40
25	F. H. Brandenburg	Drayage	1.00
25	G. Anderson	Painting and repairing	15.00
25	Wm. Upton	Repairing lanterns	1.00
25	Southern Bell Telephone and Telegraph Co.	Telephone service, July 1 to Sept. 30.	15.00
26	Tidewater Telephone Co.	Transmitting messages, July 1 to Sept. 30.	9.20
26	New England Telephone and Telegraph Co.	Transmitting messages, October	2.70
26	Louisville and Nashville R. R. Co.	Transportation	41.07
26	Enterprise Telegraph Co.	Transmitting messages, Sept. 1 to Oct. 31.	4.60
26	George E. Hunt	Traveling expenses	14.25
26	Colorado Springs Furniture Co.	Labor and material	19.50
26	P. Connor	Street-car tickets, October	2.50
26	Swan & Stein	Lettering doors	6.00
26	B. Nowell	Services as cleaner, October	5.00
26	Wm. Bell	Expenses, November	3.00
26	P. J. Bolton	Repairing stove, etc.	11.45
26	Isa D. Smith	Services, October	6.20
26	Southern Bell Telephone and Telegraph Co.	Telephone service, July 1 to Sept. 30.	16.00
26	John A. Ubsdell	Labor and material	47.47
26	Pittsburgh, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation	16.00
26	E. B. Dunn	Traveling expenses	2.00
26	Forsberg & Murray	Anemometer supports	18.00
26	John C. Parker	Stationery	85.90
30	James K. Jones, jr., <i>et al</i>	Salaries for November	600.70
30	J. K. Robinson	Printing for November	2,119.60
30	F. A. Schneider	Brass screws, etc.	100.33
Dec. 1	Milton Whitney	Salary for November	244.60
1	J. L. Utterback	Drayage	1.50
1	F. S. Hyde	do	2.55
1	B. S. Pague	Repairing clock, etc.	10.30
1	John P. Glynn	Hauling	1.00
1	H. W. Taylor, agent Mills Building	Office rent, San Francisco, November	100.00
1	D. H. Holmes	Ink	3.85
1	Combination Toilet Stand Co., Limited	Washing towels, November	1.50
1	Geo. S. Clark & Co.	Coal	2.25
1	Charles W. Weir	Hauling	1.00
1	Geo. E. Hunt	Repairing clock, etc.	5.40
1	Geo. B. Ackerman	Drayage	1.00
1	A. M. and J. Solari	Matches and oil	1.65
1	Steam Gauge and Lantern Co.	Lamps	215.00
1	W. M. Case	Salary for November	40.00
1	L. M. Pindell	Gas, etc.	2.90
1	W. and J. Sloan & Co.	Relaying carpet, etc.	75.19
1	Pennsylvania R. R. Co.	Transportation	51.42
1	E. A. Hanner	Hauling, etc.	2.77
1	Emmons Bros. Hardware Co.	Oil	1.44
1	Davidson Ventilating Fan Co.	Benzine, etc.	8.34
1	E. H. Thompson	Paints, oil, etc.	19.20
1	U. G. Myers	Drayage	6.25
1	Reed & Tomlinson	Desk and stool	24.00
1	T. B. Jennings	Anemometer, etc.	4.50
1	Jacob Kamm	Office rent, Portland, Oregon, July 1 to Oct. 2.	1 61
1	R. O. Williams	Repairing telegraph line	3.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 1	D. C. Hibbard	Labor and material	\$200.00
1	A. D. Brown	Cylinder for typewriter	1.25
1	The Paul Wilson Dry Goods Co.	Rug	3.00
1	The Morton Scott-Robertson Co.	Chairs and carpet	67.25
1	People's Dispatch and Transfer Co.	Freight and transportation .....	.90
1	Newman & Son	Stencil paper, etc	1,220.50
1	J. H. Mills & Co.	Printers' supplies	108.17
3	Northern Pacific R. R. Co.	Transportation	40.00
3	New York and New England R. R. Co.	do	3.00
3	John Mercer	Repairs to stove, etc	15.00
3	F. F. Voight	Repairing wind vane	4.00
3	C. F. Gregor	Services as cleaner, November	5.00
3	Rawlins, Nichols & Co.	Coal	48.00
3	Pepperell Bros.	Mucilage and ink	1.95
3	Edward Drinkwater	Hauling, etc	36.25
3	Library Bureau	Card catalogue outfit	3.00
3	A. M. Clark	Glass and glazing	3.85
3	Steamer Michigan	Freight charges	3.18
3	C. F. R. Wappenhaus.	Expenses, November	45.00
3	H. H. Clayton	do	45.00
3	Western Railway of Alabama	Transportation	3.00
3	G. N. Lysight	Traveling expenses	9.75
3	Smith Bloomer	Extending river gauge	10.00
3	John Hollowell	Cleaning river gauge	1.00
3	T. N. Sandlin	Repairing cart	3.00
3	John M. Klein	Labor and material	4.00
3	Matt Wilson	Removal of office	40.00
3	W. S. Gosnell	Services as cleaner, November	5.00
3	Scherpe & Koden Architectural Iron Co.	Repairing wind vane, etc	50.00
3	Geo. Hass Hagen	Repairs to milleograph .....	.75
3	W. G. Hamilton	Labor and material	30.00
3	Stevenson & Co.	Rug	66.00
3	Thomas Roti	Repairing telegraph line	91.00
3	S. W. Glenn	Traveling expenses	10.75
3	A. T. Grigg	Chairs, desk, etc	40.00
3	R. L. Napper	Repairing barometer case	1.50
3	F. W. Denison	Services, Oct. 1 to Nov. 30	20.00
3	J. G. Upthegrove	do	20.00
3	Chas. J. Cry & Co.	Photo-engraving	105.00
6	H. H. Hodgson	Typewriter	90.00
6	S. M. Blandford	Traveling expenses	12.30
6	Isaac Friedenwald	Maps	900.00
6	Ilwaco Railway and Navigation Co.	Freight charges .....	.53
6	Julien P. Friez	Register	85.00
6	R. E. Kerkam	Sleeping-car fare	2.50
6	W. W. Neifert	Repairing clock, etc	1.45
6	J. L. Mooby	Painting river gauge, etc	20.00
6	Charles C. Ames	Services, Oct. 10 to 20	13.75
6	Chesapeake and Ohio Rwy. Co.	Transportation	5.20
6	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	9.55
6	S. P. Langley, secretary	Transportation of publications	105.46
6	Edison Mutual Telephone Co.	Transmitting messages, September	8.40
6	Denver and Rio Grande R. R. Co.	Freight charges	4.66
6	Chicago and West Michigan Rwy. Co.	do	2.23
6	Avoyelles Telephone Co.	Transmitting messages .....	.80
6	U. G. Pursell	Hauling	1.75
6	Smedley Bros. & Co.	do	3.50
6	Ohio and Mississippi Rwy.	Freight charges	3.70
6	St. Louis and New Orleans Anchor Line.	do	1.05
6	Virginia and Truckee R. R. Co.	do .....	.87
6	Lake Superior Transit Co.	do	4.75
6	C. F. Jones	Repairing United States telegraph line	9.50
6	August Pfafflin	Repairing river gauge	20.00
6	Baltimore and Ohio R. R. Co.	Transportation	41.55
6	A. B. Crane	Drayage	1.00
6	L. D. Thoelecke	Cleaning clock, etc	1.50
6	Edward A. Evans	Drayage	1.00
6	G. G. Wickson & Co.	Repairs on caligraph	10.00
6	E. B. Dunn	Mucilage, benzine, etc	3.65

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 6	W. B. Stockman.....	Traveling expenses.....	\$6. 15
6	Nashville, Chattanooga and St. Louis Rwy. Co.....	Transportation.....	34. 80
6	Ohio and Mississippi Rwy. Co.....	do.....	7. 72
6	Richard Titus.....	Services as cleaner.....	4. 00
9	The Consolidated Stationery Co.....	Letter press.....	7. 50
9	Pay roll, Charleston, S. C.....	Substation salaries, October and November.	61. 00
9	S. S. Bassler.....	Expenses, November.....	15. 00
9	The Missouri Pacific Rwy. Co.....	Transportation.....	41. 55
9	United States Express Co.....	Express charges.....	4. 10
9	Maurice Joyce.....	Electrotype plates.....	12. 00
9	M. G. Copeland & Co.....	Blizzard flags.....	857. 00
9	E. L. Bugbee.....	Traveling expenses.....	3. 25
10	Isaac Friedenwald.....	Wrappers.....	1, 337. 82
10	Stone & Nuckols.....	Labor and material.....	40. 00
10	A. B. Massey.....	Services, July 1 to Sept. 30.....	16. 85
10	J. M. Boyer.....	Labor and material.....	20. 00
10	John M. Klein.....	Drayage, etc.....	10. 50
10	A. J. Davis.....	do.....	2. 60
10	T. N. Sandlin.....	Building coal bin.....	15. 00
10	T. B. Jennings.....	Lettering office doors, etc.....	5. 75
10	Fox & Landis.....	Argand chimneys, etc.....	5. 50
10	Little Rock Board of Trade.....	Office rent, Oct. 1 to Nov. 15, Little Rock, Ark.....	48. 85
10	E. S. Marvin.....	Mudlage.....	1. 50
10	Smith & Swainson.....	Rent of desk and storeroom, Cleveland, Ohio.....	10. 00
10	A. Ellis.....	Caligraph stand, etc.....	14. 00
10	E. C. Bickford.....	Office table.....	10. 00
10	H. C. Frankenfield.....	Hauling.....	1. 75
10	J. P. Banks.....	Services, Oct. 1 to Nov. 26.....	14. 25
10	John Henry.....	Coal.....	4. 25
10	L. P. Johnson.....	Coal oil.....	1. 40
10	J. H. Hensley.....	Repairing coal box, etc.....	4. 50
10	Samuel L. Brooks.....	Services, July 1 to Sept. 30.....	15. 00
10	H. F. Gullison.....	Window shades.....	4. 00
10	T. E. Broughton & Bro.....	Painting.....	2. 50
10	Clarksburg and Western Telegraph Co.....	Transmitting messages, October.....	14. 20
10	John C. Parker.....	Stencil paper, etc.....	183. 00
10	Adams Express Co.....	Express charges.....	88. 21
10	W. B. Moses & Sons.....	Carpet.....	50. 00
10	Aberdeen Transportation Co.....	Transportation.....	5. 25
10	J. E. Cairnes.....	Expressage, etc.....	2. 25
10	J. C. Hayden.....	Express charges.....	6. 15
10	Memphis Light and Power Co.....	Rent of electric lights, November.....	5. 81
10	David Cuthbertson.....	Traveling expenses.....	3. 45
14	Minneapolis, St. Paul & Sault Ste. Marie R. R. Co.....	Transmitting messages, October.....	38. 23
14	Manitou and Pikes Peak R. R. Co.....	Hauling, labor, etc.....	168. 52
14	J. W. Crider.....	Copying records.....	4. 00
14	Forbes & Breeden.....	Repairing furniture, etc.....	51. 25
14	Port Angeles Traffic and Transfer Co.....	Drayage, etc.....	4. 25
14	D. W. Morse.....	Nails and coal oil.....	6. 00
14	Star Union Line.....	Freight charges.....	3. 38
14	St. Louis and San Francisco R. R. Co.....	do.....	. 93
14	Detroit and Cleveland Steamship Navigation Co.....	do.....	1. 51
14	Norfolk and Southern R. R. Co.....	do.....	2. 73
14	Great Northern Rwy. Co.....	Transportation.....	9. 10
14	Pay roll, Memphis, Tenn.....	Substation salaries, October and November.	145. 60
14	Martin Bros. & Co.....	Matches and oil.....	1. 05
14	Jacob Wormald.....	Constructing river guage.....	168. 27
14	Stephen Nadeau.....	Repairing vane.....	10. 00
14	Jas. Ackerman.....	Repairing flagstaff, etc.....	17. 00
14	Broadwater & Pepin.....	Office rent, Havre, Mont., November.....	30. 00
14	Emma Ling.....	Services as cleaner, November.....	5. 00
14	Constitution Job Office.....	Printing bulletins.....	15. 00
14	M. W. Etheridge.....	Ferriage.....	3. 50
14	L. C. Freeman.....	Gas heating stove.....	20. 00
14	T. F. Townsend.....	Expenses, Nov. 23 and 26.....	11. 75
14	Miles Jackson.....	Services as cleaner, November.....	5. 00
14	D. B. Bybee.....	Services as cleaner, Oct. 1 to Nov. 30.....	8. 00
14	W. H. B. Crow.....	Furnishing water.....	1. 00
14	J. C. Morrell.....	Services, November.....	20. 00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 14	B. Nowell.....	Services as cleaner, November.....	\$5.00
14	J. N. Applebaugh.....	Services for November.....	36.00
14	Isabella Reinhart.....	Services as cleaner, November.....	3.00
14	A. C. McMillin.....	Services, Sept. 15 to Nov. 30.....	12.67
14	J. H. Carlin.....	Ice, July 1 to Sept. 30.....	8.46
14	First National Bank.....	Office rent, Brownsville, Tex., July 1 to Sept. 30.....	63.25
14	-----do.....	Office rent, Brownsville, Tex., Oct. 1 to Nov. 30.....	42.16
14	James W. Queen & Co.....	Field glass.....	27.00
14	Julien P. Friez.....	Repairing anemometer.....	15.00
14	Isaac Friedenwald.....	Maps.....	930.00
14	S. F. Taylor.....	Office rent, Idaho Falls, Idaho, Oct. 1 to Nov. 30.....	44.00
14	F. L. Jackson, agent.....	Office rent, Yankton, S. Dak., November.....	24.75
14	Holmes & Co.....	Rubber tubing.....	1.01
14	W. S. Jenks.....	Copper cylinder.....	1.50
14	J. C. Addison.....	Manila card board.....	74.25
14	Thomas J. Luttrell.....	Millinette.....	1.13
14	John Schultzbach.....	Anemometer wrenches.....	20.00
16	Titus S. Townsend.....	Traveling expenses, October.....	10.25
16	Chas. M. Stoeber.....	Map paper.....	665.02
16	Gulf, Colorado and Santa Fe Rwy. Co.....	Transportation.....	37.90
16	J. B. Marbury.....	Expenses, November.....	7.25
16	B. Chambers.....	Wind direction cross-arms.....	66.25
16	Flint and Pere Marquette R. R. Co.....	Transportation.....	4.50
16	James Howie.....	Resetting flagstaff.....	2.00
16	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	Transportation.....	3.05
16	Ed. F. Winn.....	Labor and material.....	19.00
16	Charles A. Kimball.....	Services, Oct. 1 to Nov. 30.....	10.00
16	M. Wick.....	Laying carpet.....	3.50
16	Jennie Pritchett.....	Services as cleaner, November.....	3.00
16	Geo. H. Fuller Desk Co.....	Moving desk, etc.....	2.00
16	William E. Hook, jr.....	Traveling expenses.....	10.00
16	Thos. Roti.....	Services, Nov. 17, 21, 22.....	10.50
16	John J. Veeder.....	Hire of boat.....	4.00
16	Walter O. Luscombe.....	Hauling.....	1.00
16	Martin Hanson, jr.....	Crating, etc., Weather Bureau property.....	20.00
16	James Anderson.....	Repairing United States telegraph line.....	3.00
16	Carl & Abel.....	Seismoscope.....	20.00
16	Peter Paul & Bro.....	Caligraph.....	85.00
16	C. B. Cottrell & Sons.....	Labor and material.....	62.15
16	George Meier & Co.....	Ink.....	10.00
16	Florida Central Peninsular R. Co.....	Freight charges.....	.25
19	Geo. Ryneal, jr.....	White lead, etc.....	2.14
16	Chicago, Burlington and Northern R. R. Co.....	Transmitting messages, October.....	11.78
16	Cincinnati, New Orleans and Texas Pacific Rwy. Co.....	Transportation.....	5.10
16	Steam Gauge and Lantern Co.....	Signal lamps.....	265.00
16	Clement, Williams & Co.....	Flat-top desk, etc.....	44.00
16	Thos. Robinson.....	Services, November.....	25.00
16	Pay roll, Savannah, Ga., sub-station.....	Salaries, October and November.....	145.60
16	Willard G. Kenerson.....	Newspaper rack.....	4.50
16	Newman & Son.....	Repairing caligraph.....	35.00
16	Nordhoff & Knabe.....	Repairing clock.....	3.00
17	Geo. H. Howell.....	Desk.....	30.00
17	Pay roll, Wilmington, N. C., substation.....	Salaries, October and November.....	85.40
17	The Edison Mutual Telegraph Co.....	Transmitting messages, July 1 to Aug. 31.....	1.39
17	P. H. Smyth.....	Drayage.....	1.60
17	Joseph Empey & Co.....	Repairing wind vane.....	2.00
17	William C. Johnson.....	Laying carpet, etc.....	3.75
17	Wm. C. Pelham.....	Marking, etc., river gauge.....	93.00
17	F. B. Myers.....	Hauling, etc.....	2.00
17	Joseph A. Smith.....	Table.....	3.50
17	A. P. Eagleston.....	Office chair.....	5.00
17	C. B. Fenton & Co.....	Recasting milligraph.....	32.00
17	Mark W. Harrington.....	Traveling expenses, November and December.....	76.07
17	John C. Parker.....	Carbon paper.....	80.00
17	H. F. Alcator.....	Traveling expenses.....	13.75
19	L. E. Stronach.....	do.....	11.25

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 19	D. P. McCallum	Drayage, etc.	\$2.00
19	Park Morrill	Traveling expenses	9.76
19	J. M. Sherier	do	4.75
19	E. B. Dunn	Expenses, Nov. 9 to Dec. 15	55.50
19	Pay roll, Oswego, N. J., sub-station.	Salaries, Oct. 1 to Dec. 10	62.70
19	Reeves & Trenchard	Desk	35.00
19	P. T. Jenkins	Traveling expenses, November	32.15
19	E. A. Brown	Traveling expenses, December	8.50
19	A. A. Prados	Painting	15.00
22	Pay roll, Little Rock, Ark., sub-stations.	Salaries, October and November	120.00
23	Rio Grande Western Rwy	Transportation	25.00
23	Hastings Steamboat Co	do	3.00
23	Cincinnati, New Orleans and Texas Pacific Rwy. Co	do	5.10
23	Wm. M. Dudley	Traveling expenses	8.50
33	R. E. Kerkam	Cleaning office, etc	11.00
23	W. H. Hammon	Express charges	6.55
23	J. N. Ryker	Traveling expenses, etc	11.80
23	J. W. Bauer	Express charges, etc	1.25
23	A. M. Word	Repairing clock	2.50
23	Port Angeles Traffic and Transfer Co.	Repairing United States telegraph line	14.50
23	Thomas Butler	do	16.25
23	Geo. McFarland	do	10.00
23	D. C. Hibbard	do	19.50
23	G. T. W. Wells	Services, Nov. 20 to 23	6.00
23	C. C. Ames	Services, Nov. 4 to 23	17.50
23	Fred P. Low	Services, Oct. 1 to Dec. 31	11.25
23	O. H. Willis	do	12.00
23	J. C. Carr	Labor and material	6.10
23	Iowman & Hanford	Repairing caligraph	10.00
23	Pay roll, Vicksburg, Miss., sub-station.	Salaries, October and November	53.40
23	Chas T. Park	Labor and material	12.00
23	Pay roll, Atlanta, Ga., substation.	Salaries, October and November	103.80
23	Arthur Ellis	Labor and material	13.00
23	Rafael Inguera	Services, July 1 to Oct. 15	141.00
23	John M. Williams	Hauling	6.88
31	J. K. Robinson <i>et al</i>	Printing roll for December	2,074.76
31	James K. Jones <i>et al</i>	Salaries for December	548.78
31	I. M. Cline	Expenses, Nov. 2 to 30	43.50
31	G. M. Lee	Services, Dec. 1	1.13
	Total second quarter		61,285.22
1893.			
Jan. 2	Milton Whitney	Services for December	252.70
2	William Powell Wilson	Services, Nov. 1 to Dec. 31	100.00
2	Old Colony R. R. Co	Freight charges	1.61
2	Star Union Line	do	4.20
2	do	do	4.30
2	do	do	.75
2	Baltimore and Ohio R. R. Co	do	3.95
2	Toledo, Peoria and Western Rwy Co.	do	1.36
2	Atchinson, Topeka and Santa Fe R. R. Co.	do	9.85
2	Natchitoches and People's Telegraph Line.	Transmitting reports, Oct. 1 to Nov. 30	30.00
2	S. S. Bassler	Drayage, etc	1.85
2	Chas. A. Smith	do	1.95
2	W. L. Moore	do	1.10
2	R. C. Wilder's Sons	Labor and material	40.00
2	H. A. McNally	Drayage	1.00
2	Chicago, Burlington and Quincy R. R. Co.	Freight charges	14.12
2	do	do	9.03
2	Detroit and Cleveland Steam Navigation Co.	do	3.18
2	Boston and Maine R. R. Co	do	1.16
3	Portland and Rochester R. R. Co	do	1.68
2	Empire Line	do	2.87
2	Northeastern R. R. Co	do	4.55
2	Jacksonville, Tampa and Key West Rwy. Co.	do	19.87
2	South Florida R. R. Co	do	7.51
2	New York Central and Hudson River R. R. Co.	do	3.57

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 2	New York Central and Hudson River R. R. Co.	Freight charges.....	\$6.20
2	Philadelphia and Reading R. R. Co.	do.....	1.20
2	Vandalia Line.....	do.....	51.72
2	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do.....	7.01
2	Old Dominion Steamship Co.	do.....	4.07
2	Norfolk and Washington (D. C.) Steamboat Co.	do.....	21.29
2	Edward Drinkwater.....	do.....	1.12
2	Hastings Steamboat Co.....	do.....	13.90
2	C. H. Mallory & Co.....	do.....	3.49
2	O. T. Stacy.....	Drayage.....	.75
2	Adolph Oswald.....	Repairing wind vane, etc.....	10.50
2	Frank Bird.....	Hauling.....	2.00
2	J. R. Williams.....	Drayage.....	1.00
2	W. M. Case.....	Services for December.....	40.00
2	C. V. McDonald.....	Construction of skylight.....	17.00
2	Bay City and Tillamook Telephone Co.	Transmitting messages, July 1 to Sept. 30.....	7.90
4	Geo. M. Chappel.....	Traveling expenses, October.....	44.62
4	Cook and Kiernan Transportation and Storage Co.	Labor and material.....	120.13
4	Northern Pacific R. R. Co.....	Transportation.....	12.25
4	Frank H. Fee.....	Paint, etc.....	22.11
4	Pennsylvania R. R. Co.....	Transportation.....	42.00
4	B. H. Bronson.....	Repairing weather vane.....	2.03
4	W. E. Stark.....	Stove grate, teakettle, etc.....	4.85
4	George Reeder.....	Traveling expenses, November and December.....	50.60
4	Julien P. Friez.....	Rain gauges.....	570.00
4	L. M. Pindle.....	Traveling expenses, December.....	61.13
4	Matthew Tierney.....	Services, Nov. 20 to 31.....	22.00
4	do.....	Services, Dec. 1 to 21.....	42.00
4	J. C. Entwistle.....	Engraving.....	85.00
4	Alexander Pavarini & Son.....	Instrument shelters.....	161.25
4	Iowa Union Telegraph Co.....	Telephone service, Oct. 1 to Dec. 31.....	12.00
4	The Bell Telephone Company of Buffalo.	Rent of telephone, Oct. 1 to Dec. 31.....	17.50
4	Pay roll, Woods Holl, Mass., substation.	Salaries, Oct. 1 to Dec. 31.....	60.00
4	Robert G. Goffin.....	Services as cleaner, Oct. 1 to Dec. 31.....	9.00
4	Pay roll, Jacksonville, Fla., substation.	Salaries, Oct. 1 to Dec. 31.....	45.00
4	Pay roll, Augusta, Ga., substation.	Salaries, Oct. 1 to Nov. 30.....	103.60
4	Pay roll, New Orleans, La., substation.	do.....	223.60
4	M. Wright.....	Carriage hire.....	4.50
11	East Tennessee, Virginia and Georgia Rwy. Co.	Transportation.....	4.93
11	The Wabash R. R. Co.....	do.....	12.32
11	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do.....	24.45
11	Pennsylvania R. R. Co.	Freight charges.....	17.68
11	Wyoming Midland Telephone Co.	Transmitting messages, November.....	12.82
11	C. F. R. Wappenhaus.....	Traveling expenses, December.....	6.35
11	Geo. R. Marquette.....	Services, Oct. 1 to Dec. 31.....	15.00
11	Humphrey Manufacturing Co.	Erecting water gauge.....	46.75
11	Burroughs & Vivian Bros.....	Ink and mucilage.....	2.90
11	Wm. H. Talley.....	Repairing river gauge.....	5.00
11	C. G. Abercombie.....	Coal.....	5.75
11	D. P. Ottenheimer.....	Window curtains.....	12.00
11	I. M. Cline.....	Expenses, December.....	46.50
11	John A. Barker.....	Services as cleaner, Oct. 1 to Dec. 31.....	9.00
11	Wyckoff, Seamans & Benedict.....	Repairing typewriter.....	45.00
11	W. H. Garlock & Co.....	Washing towels, Aug. 18 to Dec. 27.....	3.06
11	Church & Stephenson.....	Lumber.....	2.10
11	John C. Parker.....	Paper.....	167.46
11	William H. Carden.....	Services, Oct. 1 to Dec. 31.....	23.00
11	F. A. Buechler.....	Waxed ends.....	6.00
11	W. B. Stockman.....	Expenses, December.....	46.50
11	David Cuthbertson.....	do.....	46.50
11	J. G. Banks.....	Lamp burner, etc.....	1.10
11	B. S. Payne.....	Crating desk.....	1.60
11	C. E. Haynes.....	Services as cleaner, Oct. 1 to Dec. 31.....	15.00
11	W. C. Thomas.....	Relettering frames.....	26.52

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 11	W. S. Gosnell	Services as cleaner, December	\$5.00
11	Cleveland Telephone Co	Telephone rent and exchange, Oct. 1 to Dec. 31	18.00
11	B. Nowell	Services as cleaner, December	5.00
11	W. L. Moore	Traveling expenses, January	9.75
12	E. E. Spencer	Traveling expenses, December	15.25
11	Pay roll, Mobile, Ala., substation	Salaries, October and November	92.80
12	T. Graves	Labor and material	17.00
12	John J. Veeder	Hire of boat	5.00
12	James Cameron	Hire of team	2.00
12	Geo. W. Maury	Hire of boat	1.00
12	Pay roll, Erie, Pa., substation	Salaries, Oct. 1 to Dec. 10	46.46
12	John H. Fox & Co.	Repairing desk	5.00
12	Jennie Pritchett	Services as cleaner, December	3.00
12	W. B. Moses & Sons	Matting, etc	51.18
12	W. T. Galliher & Bro	Lumber	134.87
12	H. C. Frankenfield	Traveling expenses, December	9.25
12	Philadelphia, Reading and Pottsville Telegraph Co.	Transmitting messages, November	7.39
12	Enterprise Telegraph Co.	do	1.30
12	The Great Northwestern Telegraph Co.	Transmitting messages, October	164.22
12	Edison Mutual Telegraph Co.	do	7.50
12	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Transmitting messages, November	20.73
12	New England Telephone and Telegraph Co.	do	2.20
12	S. H. Wright	Services, Aug. 15 to Oct. 14	91.50
12	Great Northwestern Telegraph Co.	Transmitting messages, November	161.15
12	Clarksburg and Weston Telegraph Co.	do	11.80
12	J. H. Bunnell & Co.	Cable conductor	257.50
12	Frank Bianchi	Services as cleaner, Oct. 1 to Dec. 31	9.00
12	J. P. Slaughter	Express charges	1.10
12	Thos. Robinson	Services, December	25.00
12	Amasa S. Dyer	Services, Oct. 1 to Dec. 31	30.00
12	Pay roll, Galveston, Tex., substation	Salaries, October and November	179.80
12	Benj. R. Stuart	Traveling expenses	1.00
12	Pay roll, Milwaukee, Wis., substation	Salaries, Oct. 1 to Dec. 31	185.84
12	Louis C. Cover	Traveling expenses	5.25
12	Campbell & Gregg	Towel supply, Oct. 1 to Dec. 31	3.00
12	Thos. Cleary	Services as cleaner, Oct. 1 to Dec. 31	9.00
12	F. M. Brown & Co.	Altering flagstaff, etc	85.00
12	Samuel H. McCauley	Labor and material	15.00
12	Pay roll, New Haven, Conn., substation	Salaries, Oct. 1 to Dec. 31	76.50
12	Charles Hayman	Services as cleaner, Oct. 1 to Dec. 31	7.50
12	Thos. Duncan	Services, Oct. 1 to Dec. 31	24.00
12	City Gaslight Co.	Electric light, Oct. 1 to Dec. 31	6.00
12	Seaboard and Roanoke R. R. Co.	Transportation	8.05
12	C. L. Crocker	Services, Sept. 1 to Dec. 31	20.00
12	C. P. McLane	Labor and material	25.00
12	Wm. A. Johnson	Services, Oct. 1 to Dec. 31	30.00
12	Roberts & Bishoff	Labor and material	57.00
12	E. A. Sawyer	Running levels	10.00
12	H. A. Yarnell	Cleaning line battery, etc	2.50
12	C. Endress & Sons	Transmitting messages, Oct. 2 to Nov. 26	12.00
12	Delaware and Atlantic Telegraph and Telephone Co.	Telephone service, Oct. 1 to Dec. 31	12.00
12	P. H. Seewald	Repairing clock, etc	2.50
12	J. A. Sutherland	Repairing table, etc	3.00
12	William H. H. Smith	Hire of teams	13.50
12	Miles Jackson	Services as cleaner, December	5.00
12	East Tennessee Telephone Co.	Telephone service, Oct. 1 to Dec. 31	15.00
12	E. E. Howes	Hire of team	2.00
12	W. H. Goffin	Hire of boat	4.00
12	Charles Gregory	Services as cleaner, December	5.00
12	Pay roll, Narragansett Pier, R. I., substation	Salaries, October, November, December	60.00
12	A. Ashenberger	Traveling expenses	8.50
12	A. B. Crane	do	1.75
12	H. M. Knowles	Changing telegraph poles	3.00
12	Andrew Renz	Sharpening knives	3.00
12	Williams & Hanks	Leather belt	21.00
17	Foster Hardware Co	Stove grate	1.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 17	W. B. McMurray	Marking river gauge	\$5.00
17	George Meier & Co.	Boxwood, etc.	34.00
17	Central Union Telephone Co.	Telephone service, Oct. 1 to Dec. 31	81.00
17	New England Telephone and Telegraph Co.	Telephone rent, Oct. 1 to Dec. 31	12.50
17	Temple & Farrington	Ink and matches	1.15
17	H. S. Thresher	Coal and wood	46.00
17	Oregon Telephone and Telegraph Co.	Telephone rent, Oct. 1 to Dec. 31	22.50
17	The J. S. Menken Co.	Rug	50.00
17	Robert Clark & Co.	Mucilage and ink	4.92
17	E. & N. Manufacturing Co.	Oak case	95.00
17	Union Ice Co.	Ice, Oct. 1 to Dec. 31	6.52
17	J. T. Harper	Coal	42.75
17	M. E. Mulloy	Weather strips	10.00
17	Wallace Gould	Labor	10.00
17	R. W. Burton	Ink, mucilage	1.00
17	Pay roll, St. Paul, Minn., substation.	Salaries, Oct. 1 to Dec. 31	46.00
17	Wm. Stork	Coal	23.35
17	J. L. Breckenridge	Benzine, etc.	4.65
17	Woodley & Primur	Corn	18.00
17	Joseph A. Smith	Lamp shade, etc.	2.00
17	Pay roll, Harrisburg, Pa., substation.	Salaries, Oct. 1 to Dec. 31	97.00
17	Pay roll, Shreveport, La.	do	95.85
17	Pay roll, Louisville, Ky.	do	27.60
17	Frank Johnson	Services, Dec. 17 to Dec. 29	16.25
17	Pay roll, Raleigh, N. C., substation.	Salaries, Oct. 1 to Dec. 31	104.00
17	Daniel Hoesli	Washing towels, etc., Oct. 1 to Dec. 31	5.25
17	L. Christi	Services as cleaner, November and December.	6.00
17	Jno. M. Klein	Labor and material	1.20
17	A. J. Duesberry	Services, Oct. 25 to Dec. 31	11.13
17	D. L. Booze	Services, Nov. 1 to Dec. 31	10.00
17	A. H. Webb	Services, Oct. 1 to Dec. 31	24.00
17	Montgomery Light Co.	Gas, Oct. 1 to Dec. 31	5.00
17	James Evans	Services as cleaner, Oct. 1 to Dec. 31	9.00
17	Emma Ling	Services as cleaner, Dec. 1 to Dec. 31	5.00
17	Memphis Light and Power Co.	Electric lights, December	7.76
17	George Harris	Services as cleaner, Oct. 1 to Dec. 31	15.00
17	H. Flegel	Varnishing, etc., furniture	10.00
17	United States Express Co.	Express charges	2.50
17	Andrew B. Graham	Engraving	10.00
17	Forsberg & Murray	Rod for anemometer, etc.	14.00
17	Wm. Ballantyne & Sons	Paper	270.00
17	The Atchison, Topeka and Santa Fe R. R. Co.	Transportation	96.95
17	American Bell Telephone Co.	Transmitters	35.20
17	W. H. Hammon	Traveling expenses, November	46.20
17	Thomas Robinson	do	7.48
17	National Mail Co.	Transportation	15.00
17	Cincinnati, Hamilton and Dayton R. R. Co.	do	25.80
17	Illinois Central R. R. Co.	do	29.50
17	Yazoo and Mississippi Valley R. R. Co.	do	6.60
17	Julien P. Friez	Case for instruments, etc.	13.75
17	J. B. Marbury	Hauling	4.50
17	Berliner & Bro.	Lead	10.20
17	John M. Temple	Oil, matches, etc.	7.49
17	R. J. Hyatt	Hauling	1.15
17	Jas. I. Widmeyer	Drayage	1.25
17	Colorado Springs Furniture Co.	Stand for letterpress	2.50
17	H. T. Gullixson & Co.	Carpet	32.00
17	Toklas & Kaufman	Carpet, etc.	17.50
17	J. G. Irwin	Repairing river gauge	12.00
17	Roderick Berrio	Replacing halyards on staff	1.25
17	O. D. La Don	Traveling expenses	6.85
17	The Bowditch Prudderes Co.	Table, etc.	26.00
17	Geo. E. David	Radiator	13.40
17	Bishop Gutta Percha Co.	Submarine cable	49.50
17	Chesapeake and Ohio R. R. Co.	Transportation	2.60
17	Minneapolis and St. Paul Rwy.	Freight charges	1.47
17	J. Tunkkari	Services, Dec. 1, 2, and 3	7.50
17	Pay roll, Kansas City, Kans., substation.	Salaries, Oct. 1 to Dec. 31	63.80

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 17	J. H. Mills & Co.	Stencil punches	\$22.50
17	Royce & Marean	Electric supplies	7.65
17	Carl & Abel	Ratchet wheel	8.50
18	Buffalo Board of Trade	Office rent, Buffalo, Oct. 1 to Dec. 31	142.06
18	Charles E. Bryant, receiver	Office rent, Huron, S. Dak., Oct. 1 to Dec. 31	78.25
18	Grand Trunk Rwy.	Transportation	18.00
18	Wilmington and Weldon R. R. Co.	do	13.55
18	do	do	8.05
18	New York Central and Hudson River R. R. Co.	do	11.20
18	Rafael Junquera	Postage, etc.	1.75
18	Pacific Postal Telegraph-Cable Co.	Transmitting messages, November	11.91
18	Chicago, Rock Island and Pacific Rwy. Co.	Transportation	47.32
18	R. McKean Barry	Traveling expenses, December	6.25
18	Cleveland Cartage and Storage Co.	Cartage	3.25
18	John G. Whitcomb	Repairing signal staff	11.25
18	Cator Woolford	Services, Dec. 16 to 24	11.25
18	Pay roll, Savannah, Ga., sub-station.	Salaries, Oct. 1 to Dec. 31	66.00
18	The Yale & Towne Manufacturing Co.	Hoisting cranes, etc.	750.00
18	L. & N. Jesunofsky	Drayage, etc.	1.65
18	Pay roll, Boston, Mass., sub-station.	Salaries, Oct. 1 to Dec. 31	396.00
18	Central R. R. Co. of New York.	Transportation	6.50
18	Great Northern Rwy. Co.	Freight charges	5.94
18	do	do .....	.99
18	do	do	4.79
18	M. Ehresman	Services as cleaner, December	3.00
18	Thomas Roti	Repairing telegraph line	28.00
18	Pay roll, Nashville, Tenn., sub-station.	Salaries, Oct. 1 to Dec. 31	44.30
18	Brush Electric Light and Power Co.	Electric lights, Oct. 1 to Dec. 31	13.75
18	P. Connor	Street-car tickets, November and December.	5.75
18	Anna L. Bean	Services, Oct. 1 to Dec. 31	9.20
18	Lee Fisk	do	30.00
18	Atchison, Topeka and Santa Fe R. R. Co.	Transportation	18.15
18	W. H. Renear	Hire of teams	8.73
18	Lake Michigan and Lake Superior Transportation Co.	Transportation	20.00
18	Northwestern Telegraph Exchange Co.	Telephone service, Oct. 1 to Dec. 31	18.00
18	J. H. Hannon	Repairing rain gauge	3.40
18	Combination Toilet Stand Co., Limited.	Toilet service, December	1.50
18	Adams Express Co.	Express charges, November and December	51.85
19	Hillie Hoskins	Services as cleaner, Oct. 1 to Nov. 15	4.88
19	J. E. A. Harris	Services, Nov. 1 to Dec. 31	10.00
19	C. H. Hussey	Hauling	8.00
19	Southwestern Telegraph and Telephone Co.	Telephone service, Oct. 1 to Dec. 31	12.00
19	Richard Titus	Services as cleaner, December	4.00
19	Pacific Telegraph and Telephone Co.	Telephone service, Oct. 1 to Dec. 31	22.00
19	Great Southern Telegraph and Telephone Co.	Telephone service, Oct. 1 to Dec. 31	15.00
19	Henry Bolton	Office rent, Alpena, Mich., Oct. 1 to Dec. 31	52.84
19	P. M. DeVitt	Office rent, Abilene, Tex., Oct. 1 to Dec. 31	100.62
19	Amarillo Improvement Co.	Office rent, Amarillo, Tex., Oct. 1 to Dec. 31	66.75
19	Real Estate and Law Building Co.	Office rent, Atlantic City, N. J., Oct. 1 to Dec. 31	45.49
19	Pythian Land and Building Association.	Office rent, Astoria, Oregon, Oct. 1 to Dec. 31	75.25
19	Baer & Bloch	Office rent, Baker City, Oregon, Oct. 1 to Dec. 31	87.50
19	First National Bank of Bismarck.	Office rent, Bismarck, N. Dak., Oct. 1 to Dec. 31	99.00
19	George W. Williams	Office rent, Charleston, S. C., Oct. 1 to Dec. 31	117.93
19	S. A. Raymond, agent	Office rent, Cleveland, Ohio, Oct. 1 to Dec. 31	175.00
19	Smith & Swanson	do	10.00
19	John H. Clune	Office rent, Cheboygan, Mich., Oct. 1 to Dec. 31	49.50

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 19	F. E. Warren	Office rent, Cheyenne, Wyo., Oct. 1 to Dec. 31	\$91.90
19	Chicago Auditorium Association.	Office rent, Chicago, Ill., Oct. 1 to Dec. 31	172.57
19	B. S. Williams	Office rent, Concordia, Kans., Oct. 1 to Dec. 31.	66.00
19	Columbus Board of Trade	Office rent, Columbus, Ohio, Oct. 1 to Dec. 31.	100.00
19	Geo. French	Office rent, Corpus Christi, Tex., Oct. 1 to Dec. 31.	86.37
19	Masonic Temple Association	Office rent, Davenport, Iowa, Oct. 1 to Dec. 31.	75.00
19	E. F. Hallack	Office rent, Denver, Colo., Oct. 1 to Dec. 31	150.00
19	C. M. Beeson	Office rent, Dodge City, Kans., Oct. 1 to Dec. 31.	97.91
19	Staples & Pelan	Office rent, Dubuque, Iowa, Oct. 1 to Dec. 31	57.12
19	American Exchange Bank	Office rent, Duluth, Minn., Oct. 1 to Dec. 31	114.47
19	Lucius M. Sheldon	Office rent, El Paso, Tex., Oct. 1 to Dec. 31	84.42
19	H. H. Bushne	Office rent, Eureka, Cal., Oct. 1 to Dec. 31	72.41
19	Fresno Loan and Savings Bank	Office rent, Fresno, Cal., Oct. 1 to Dec. 31	100.00
19	Galveston Cotton Exchange	Office rent, Galveston, Tex., Oct. 1 to Dec. 31	78.25
19	W. L., R. A. & E. H. Andres	Office rent, Grand Haven, Mich., Oct. 1 to Dec. 31.	59.32
19	Margaret Parmentier	Office rent, Green Bay, Wis., Oct. 1 to Dec. 31.	75.00
19	Broadwater & Pepin	Office rent, Havre, Mont., December.	30.00
19	Homer W. Styron	Office rent, Hatteras, N. C., Oct. 1 to Dec. 31	38.62
19	Montana National Bank	Office rent, Helena, Mont., July 1 to Dec. 31	250.00
19	B. A. Jenne	Office rent, Idaho Falls, Idaho, Oct. 1 to Dec. 31.	25.00
19	Abbie S. Ingalls	Office rent, Indianapolis, Ind., Oct. 1 to Dec. 31.	83.83
19	R. McLaughlin	Office rent, Jacksonville, Fla., Oct. 1 to Dec. 31.	78.05
19	Albert Marty	Office rent, Kansas City, Mo., Oct. 1 to Dec. 31.	169.49
19	Kearney Opera House	Office rent, Kearney, Nebr., Oct. 1 to Dec. 31	75.00
19	Annie A. McGovern	Office rent, Keeler, Cal., Oct. 1 to Dec. 31	85.91
19	Matt Borland	Office rent, Lander, Wyo., Oct. 1 to Dec. 31	90.00
19	Catherine Wilson	Office rent, Los Angeles, Cal., Oct. 1 to Dec. 31.	104.82
19	Courier-Journal Co	Office rent, Louisville, Ky., Oct. 1 to Dec. 31	69.00
19	J. G. Payne, Attorney	Office rent, Lynchburg, Va., Oct. 1 to Dec. 31.	67.50
19	Melina Wilcke	Office rent, Manistee, Mich., Oct. 1 to Dec. 31	56.25
19	Walker & Hall	Office rent, Meridian, Miss., Oct. 1 to Dec. 31	70.00
19	Cotton Exchange Building Co.	Office rent, Memphis, Tenn., Oct. 1 to Dec. 31.	120.00
19	John L. Mitchell, executor	Office rent, Milwaukee, Wis., Oct. 1 to Dec. 31.	163.75
19	Stock Growers' National Bank	Office rent, Miles City, Mont., Oct. 1 to Dec. 31.	37.50
19	Vernon H. Harris	Office rent, Micco, Fla., Oct. 1 to Dec. 31	16.25
19	L. N. Heil	Office rent, Montrose, Colo., Oct. 1 to Dec. 31	98.00
19	Davidson & Joseph, agent	Office rent, Montgomery, Ala., Oct. 1 to Dec. 31.	56.25
19	M. E. Conway	Office rent, Narragansett Pier, R. I., Oct. 1 to Dec. 31.	37.74
19	Vanderbilt University	Office rent, Nashville, Tenn., Oct. 1 to Dec. 31	112.50
19	Pacific Club	Office rent, Nantucket, Mass., Oct. 1 to Dec. 31.	72.50
19	F. M. Brown & Co	Office rent, New Haven, Conn., Oct. 1 to Dec. 31.	100.00
19	Wallawalla Lodge, No. 56	Office rent, North Platte, Nebr., Oct. 1 to Dec. 31.	84.87
19	C. E. Reed	Office rent, Northfield, Vt., Oct. 1 to Dec. 31	6.00
19	R. S. Dodson	Office rent, Norfolk, Va., Oct. 1 to Dec. 31	131.25
19	N. Overholser	Office rent, Oklahoma City, I. T., Oct. 1 to Dec. 31.	101.75
19	First National Bank of Palestine.	Office rent, Palestine, Tex., Oct. 1 to Dec. 31	78.50
19	National Bank of Commerce	Office rent, Pierre, S. Dak., Oct. 1 to Dec. 31	112.00
19	Puget Sound Coöperative Colony.	Office rent, Port Angeles, Wash., Oct. 1 to Dec. 31.	59.00
19	Portland Trust Co. of Oregon	Office rent, Portland, Oregon, Oct. 3 to Dec. 31.	146.77
19	Paul Wilson	Office rent, Pueblo, Colo., Oct. 1 to Dec. 31	84.00
19	Thomas Sweeney	Office rent, Rapid City, S. Dak., Oct. 1 to Dec. 31.	100.76

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 19	Hannah S. Simmons	Office rent, Red Wing, Minn., Oct. 1 to Dec. 31.	\$70.00
19	Cone & Kimball Co.	Office rent, Red Bluff, Colo., Oct. 1 to Dec. 31.	100.99
19	S. Marks & Co.	Office rent, Roseburg, Oregon, Oct. 1 to Dec. 31.	75.50
19	Savannah Board of Trade	Office rent, Savannah, Ga., Oct. 1 to Dec. 31.	78.25
19	Salt Lake Board of Trade	Office rent, Salt Lake City, Utah, Oct. 1 to Dec. 31.	137.50
19	W. H. Wood & Co.	Office rent, Sacramento, Cal., Oct. 1 to Dec. 31.	75.00
19	L. G. Nesmith	Office rent, San Diego, Cal., Oct. 1 to Dec. 31.	120.00
19	H. H. Taylor, agent	Office rent, San Francisco, Cal., Oct. 1 to Dec. 31.	100.00
19	Alarm Fire Insurance Co	Office rent, San Antonio, Tex., Oct. 1 to Dec. 31.	75.00
19	J. C. DeLany	Office rent, Ft. Stanton, N. Mex., Oct. 1 to Dec. 31.	120.00
19	St. Paul Chamber of Commerce Building Co.	Office rent, St. Paul, Oct. 1 to Dec. 31.	75.21
19	First National Bank of Sault Ste. Marie.	Office rent, Sault Ste. Marie, Mich., Oct. 1 to Dec. 31.	85.75
19	James Baker	Office rent, Springfield, Mo., Oct. 1 to Dec. 31.	68.75
19	E. H. Jamieson	Office rent, Spokane, Wash., Oct. 1 to Dec. 31.	64.20
19	E. A. Clark & Co.	Office rent, Tampa, Fla., Oct. 1 to Dec. 31.	77.82
19	D. S. Hutchinson	Office rent, Titusville, Fla., Oct. 1 to Dec. 31.	85.74
19	The Columbian Building Co.	Office rent, Topeka, Kans., Oct. 1 to Dec. 31.	87.50
19	Riley Watson	Office rent, Valentine, Nebr., Oct. 1 to Dec. 31.	103.53
19	A. P. Eagleston	Office rent, Vineyard Haven, Mass., Oct. 1 to Dec. 31.	100.00
19	Paine Brothers	Office rent, Wallawalla, Wash., Oct. 1 to Dec. 31.	73.95
19	P. Laveaga, county treasurer	Office rent, Winnemucca, Nev., Oct. 1 to Dec. 31.	67.00
19	Sedgwick Building Investment Co.	Office rent, Wichita, Kans., Oct. 1 to Dec. 31.	90.75
19	F. L. Jackson, agent	Office rent, Yankton, S. Dak., Oct. 1 to Dec. 31.	24.75
19	Central District and Printing Telegraph Co.	Telephone service, Oct. 1 to Dec. 31.	12.50
19	Bell Telephone Co. of Philadelphia.	.....do	30.00
19	Black Hills Telegraph and Telephone Co. ....	.....do	21.00
21	C. C. Ames	Repairing U. S. telegraph line	25.00
21	H. L. Ball	Traveling expenses	10.13
21	Chicago, Burlington and Quincy R. R. Co.	Transportation	26.60
21	Chicago and Northwestern Rwy. Co. ....	.....do	19.00
21	Western Electric Co.	Repairing magnetic bells	80.00
21	Pay roll, Cairo, Ill., substation.	Salaries, October, November, and December.	249.85
21	Park Morrill	Mucilage, kerosene, etc.	7.85
21	Edward A. Evans	Traveling expenses, etc.	14.10
21	Pay roll, St. Louis, Mo., substation.	Salaries, Oct. 1 to Dec. 31.	293.30
21	Pay roll, Chattanooga, Tenn., substation.	.....do	147.79
21	C. M. Donovan	Washing towels	1.50
21	Willie Judkins	Services as cleaner, Nov. 16 to Dec. 31.	4.82
21	J. J. Hobz	Erecting river gauge	20.00
21	I. S. Mansfield	Mucilage	2.50
21	P. F. Lyons	Cartage	1.50
21	W. C. Henderson	Coal	15.04
21	C. G. Abercrombie .....	.....do	5.75
21	A. H. H. Stuart	Office rent, Olympia, Wash., Oct. 1 to Dec. 31.	120.00
21	Bryant McEachin & Luce	Office rent, Fort Smith, Ark., Oct. 1 to Dec. 31.	90.41
21	George S. Waite	Office rent, Key West, Fla., Oct. 1 to Dec. 31.	103.86
21	Wm. Crawford	Office rent, Pysht, Wash., Sept. 1 to Dec. 31.	40.00
21	E. T. Webber	Office rent, Santa Fe, N. Mex., Oct. 1 to Dec. 31.	90.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 21	Pay roll, Charleston, S. C., sub-station.	Salaries, Oct. 1 to Dec. 31	\$192.90
21	The Wabash R. R. Co	Transportation	11.50
21	Thomaston and Barnesville Telephone Line.	Transmitting messages, October and November.	3.50
21	Pay roll, Cincinnati, Ohio, sub-station.	Salaries, Oct. 1 to Dec. 31	369.56
21	Pay roll, Corpus Christi, Tex.	do	32.50
21	Rising Sun Telegraph Line.	Transmitting messages, Oct. 1 to Dec. 31	6.10
21	Pay roll, Memphis, Tenn., sub-station.	Salaries, Oct. 1 to Dec. 31	78.30
21	Pay roll, Montgomery, Ala.	do	344.65
21	Pay roll, Lacross, Wis., sub-station.	do	18.40
21	J. W. Thompson	Rent of telephone, Oct. 1 to Dec. 31	15.00
21	Missouri and Kansas Telephone Co.	Telephone service, Oct. 1 to Dec. 31	12.00
21	Southern Bell Telephone and Telegraph Co.	do	15.00
21	Central District and Printing Telegraph Co.	do	15.25
21	Telephone and Telegraph Construction Co.	do	10.00
21	Bell Telephone Co., of Missouri	do	16.25
21	Hudson River Telephone Co.	do	15.00
21	Southern Bell Telephone and Telegraph Co.	do	15.00
21	Atlanta Telephone Exchange	do	17.00
21	Southern Bell Telephone and Telegraph Co.	do	16.00
21	Chicago Telephone Co.	do	31.25
21	Chicago and Erie Stove Co., Limited.	Stove grate	2.53
21	Pay roll, Augusta, Ga., sub-station.	Salaries, Oct. 1 to Dec. 31	44.90
21	Baltimore and Ohio R. R. Co.	Transportation	13.00
21	Maurice Joyce	Engraving	10.00
21	O. L. Fassig	Traveling expenses, September and October.	7.10
23	S. J. Lutz & Co.	Spikes, etc.	5.50
23	G. H. Surret	Repairing river gauge	2.00
23	Pay roll, Ft. Smith, Ark., sub-station.	Salaries, Oct. 1 to Dec. 31	27.60
23	Pay roll, Washington, D. C.	do	23.00
23	Pay roll, New Orleans, La.	do	183.00
23	Pay roll, Pittsburg, Pa.	do	455.90
23	Pay roll, Chicago, Ill.	do	185.84
23	Pay roll, Portland, Oregon	do	45.00
23	Fred. Strauss & Co.	Repairing clock	2.00
23	A. J. Robbins	Wood	15.00
23	Samuel Schultz & Son.	Matting	18.75
23	J. H. Krause	Wood	3.00
23	Astoria Gaslight Co.	Gas, Oct. 1 to Dec. 31	6.44
23	J. R. Clinton	Repairing United States telegraph line	8.75
23	H. B. Coyle & Son.	Labor and material	3.00
23	G. F. Troxell	Extension table	7.85
23	J. H. Bickford	Services, Oct. 1 to Dec. 31	15.00
23	H. J. Penrod	Mucilage and ink	1.10
23	Colorado Springs Furniture Co.	Desk, chairs, table, etc.	56.25
23	Broadwater & Pepin	Coal	19.00
23	W. A. Pate	Hand lamps, etc.	3.50
23	James B. Lambie	Sash cord	13.00
23	J. C. Addison	Cardboard	118.79
23	C. F. von Herrmann	Drayage, etc.	1.80
23	Hollis Partlow	Erecting instruments	30.00
23	Pennsylvania Telephone Co.	Rent of telephone, Oct. 1 to Dec. 31	21.00
23	Geo. Reeder	Drayage, etc.	1.55
23	H. B. Cartwright	Oil and broom	2.95
23	Erie Telegraph and Telephone Co.	Telephone service, Oct. 1 to Dec. 31	12.00
23	Joseph Evins	Services, Oct. 1 to Dec. 31	23.00
23	Great Southern Telephone and Telegraph Co.	Rent of telephone, Oct. 1 to Dec. 31	15.00
23	John J. Mulligan	Repairing wind vane	2.50
23	H. R. Boynton	Traveling expenses, January	3.25
23	Lorenzo Littlefield	Office rent, Block Island, R. I., Oct. 1 to Dec. 31.	42.50
23	C. E. Brown	Ice, July 1 to Oct. 31	9.84
23	Nebraska Telephone Co.	Telephone service, Oct. 1 to Dec. 31	15.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 23	Arkansas Telephone Co	Telephone service, Oct. 1 to Dec. 31	\$9.75
23	David James	Services as cleaner, Oct. 1 to Dec. 31	3.00
23	Southern Bell Telephone and Telegraph Co.	Rent of telephone, Oct. 1 to Dec. 31	15.00
23	Joseph Lawrence	Services, Oct. 1 to Dec. 31	21.00
23	East Tennessee, Virginia and Georgia R. R. Co.	Transportation	4.93
23	Kansas City, Fort Scott and Memphis R. R. Co.	do	5.45
23	Philadelphia, Reading and Pottsville Telegraph Co.	Transmitting messages, December	5.01
23	Chicago, Milwaukee and St. Paul R. R. Co.	Transportation	5.37
23	Baltimore and Ohio South- western R. R. Co.	do	18.55
23	Northern Pacific R. R. Co.	do	71.90
23	Nashville, Chattanooga and St. Louis R. R. Co.	do	6.90
23	Seth Graham & Son	Drayage	4.25
23	City Suburban Telephone As- sociation.	Telephone service, Oct. 1 to Dec. 31	25.00
23	Duluth Telephone Co.	do	15.00
23	New York and Pennsylvania Telephone and Telegraph Co.	do	6.00
23	Missouri and Kansas Tele- phone Co.	do	18.00
23	Wisconsin Telephone Co.	Rent of telephone, Oct. 1 to Dec. 31	12.00
23	Sunset Telephone and Tele- graph Co.	do	15.00
23	Southern Bell Telephone and Telegraph Co.	do	15.00
23	Wisconsin Telephone Co.	do	15.00
23	Jno. M. Klein	Brackets, etc.	12.50
23	Sunset Telephone and Tele- graph Co.	Rent of telephone, Nov. 1 to Dec. 31	8.00
23	David Cole & Co.	Coal-oil stove	1.50
23	Noe & Sculley	Stove and fixtures	21.00
23	John C. Parker	Stationery	8.40
23	C. B. Fenton & Co.	Composition rollers	17.17
23	James B. Lambie	Sash cord	15.00
23	W. H. Hammon	Traveling expenses	2.15
24	E. H. Thompson	do	10.75
24	C. F. Jones	Repairing United States telegraph line	10.00
24	Kate E. Reynolds	Services as cleaner, Oct. 1 to Dec. 31	15.00
24	A. B. Crocker	Services, Oct. 1 to Dec. 31	36.75
24	H. B. Coyle & Son	Making support for wind vane	13.00
24	French & McComb	Erecting river gauge	4.00
24	C. R. Prouty	do	4.00
24	F. W. Krichelt	Traveling expenses, January	6.50
24	A. J. Mulligan	Services, Oct. 15 to Dec. 31	20.90
24	Paul H. Neuffer	Repairing clock	1.50
24	Southern Bell Telephone and Telegraph Co.	Telephone service, Oct. 1 to Dec. 31	15.00
24	First National Bank of Moose- head.	Office rent, Moosehead, Minn., Oct. 1 to Dec. 31.	66.31
24	Empire State Telephone and Telegraph Co.	Telephone service, Oct. 1 to Dec. 31	28.50
24	Telephone and Telegraph Con- struction Co.	Rent of telephone, Oct. 1 to Dec. 31	12.00
24	Cumberland Telephone and Telegraph Co.	Transmitting messages, Oct. 1 to Dec. 31	61.00
24	Southern New England Tele- phone Co.	Rent of telephone, Oct. 1 to Dec. 31	31.25
24	J. W. Branan	Services, July 1 to Dec. 31	30.00
24	Robert Little	Drayage	1.00
24	Jno. M. Klein	do	2.00
24	do	Repairing telegraph line	70.00
24	G. T. W. Wells	Repairing United States telegraph line	13.00
24	Sevrin Johnson	do	20.00
24	Homer J. Hart	do	2.50
24	Thomas Butler	do	25.00
24	Thomas Reed	do	17.50
24	John Campbell	do	31.25
24	George McFarland	do	3.75
24	J. A. Hatfield	Services, Oct. 1 to Dec. 31	30.00
24	E. Biondi	do	30.00
24	A. A. Day	Hire of team	1.90
24	J. C. Morrell	Services, December	20.00
24	Ohio Valley Telephone Co.	Telephone service, Oct. 1 to Dec. 31	18.06

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 24	Whiteside & Walton	Glycerine	\$2.25
24	W. A. Pate	Leather belt.	1.50
24	C. B. Fenton & Co	Recasting rollers	6.50
26	F. T. Williams	Oil, etc	1.32
26	J. N. Applebaugh	Services for December	36.00
26	J. G. Hollingsworth	Services, Oct. 1 to Nov. 7	3.80
26	W. E. Butler	Traveling expenses, January	9.85
26	M. Cotter	Repairing telegraph line	7.59
26	C. F. R. Wappenhaus	Gum arabic	1.50
26	Frank Perry	Transmitting messages, Oct. 1 to Dec. 31	21.30
26	W. M. Wilson	Drayage, etc	2.25
26	Gibson Telegraph Line	Transmitting messages, Oct. 1 to Dec. 31	9.60
26	Pittsboro Telegraph Line	do	9.90
26	L. M. Pindell	Gas, December and January; drayage, etc	5.56
26	Wyoming Midland Telegraph Co.	Transmitting messages, December	14.60
26	William E. Hook, jr	Transportation	10.00
26	J. H. Wheeler	Beef and ham	16.00
26	E. A. Brown	Traveling expenses, January	9.50
26	J. W. Smith	do	13.05
26	A. Schneider	Office rent, F. L. Buford, N. Dakota, Oct. 1 to Dec. 31	45.00
26	J. B. Grady	Office rent, Eastport, Me., Oct. 1 to Dec. 31	105.93
26	Chas. Hughes	Labor and material	1.25
26	M. Cotter	Repairing telegraph line	31.25
26	Forsberg & Murray	Turning proof roller	5.50
27	Western Union Telegraph Line	Transmitting messages, July	1,545.72
27	do	Transmitting messages, August	12,896.35
28	Southern Pacific Co. attorney of system.	Freight charges.	6.47
28	do	do	2.29
28	Merchant's Steamship Co.	do	4.32
28	Baltimore and Ohio R. R. Co.	do	47.34
28	Vandalia Line	do	25.48
28	Chicago and Northwestern Rwy. Co.	do	28.82
28	do	do	4.35
28	Pennsylvania R. R. Co.	do	4.83
28	Thos. J. Cowry	do	9.16
28	Star Union Line	do	52
28	Western Railway of Alabama	do	6.35
28	Ellen Hammond	Office rent, Detroit, Mich., July 1 to Dec. 31	425.00
28	Troy Steam Laundry	Washing towels. Nov. 12 to Dec. 31	1.00
28	Pennsylvania R. R. Co.	Freight charges.	3.49
28	Chicago, Burlington and Quincy R. R. Co.	do	35.21
28	St. Louis and San Francisco Rwy.	do	8.77
28	C. H. Mallory & Co.	do	9.10
28	A. G. Elliot & Co.	Manila paper	153.00
28	Toklas & Kaufman	Window shades	8.65
28	Archie Marine	Painting	20.00
28	M. G. Copeland & Co.	Storm flags	2,953.10
28	H. D. Alds	Services, Oct. 1 to Dec. 31	9.20
28	William E. Hook, jr	Transportation	20.00
28	The Friedenwald Co.	Maps	1,800.00
31	J. K. Robinson <i>et al</i>	Printing roll for January	1,961.22
31	Geo. F. Flint <i>et al</i>	Salaries for January	641.29
31	D. Cuthbertson	Expenses, January	46.50
31	W. B. Stockman	do	46.50
31	F. A. Schneider	Hardware	15.05
Feb. 1	Milton Whitney	Salary for January	206.70
1	Great Northwestern Telegraph Co.	Transmitting messages, September	164.81
1	Lake Shore and Michigan Southern Rwy. Co.	Transportation	10.00
1	do	do	10.00
1	John Gordon	Freight charges.	3.55
1	Ohio River Telegraph Co.	Transmitting messages, October	12.47
1	Columbia River and Puget Sound Navigation Co.	Transportation	1.75
1	Norfolk and Western R. R. Co.	do	38.80
1	San Antonio and Aransas Pass Rwy. Co.	do	8.10
1	Moosehead Lake Telegraph Co.	Transmitting messages, Aug. 1 to Nov. 30	17.70
1	Chicago, Burlington and Northern R. R. Co.	Transmitting messages, November	8.00
1	Edison Mutual Telegraph Co.	do	6.77
1	East Tennessee, Virginia and Georgia Rwy. Co.	Transmitting messages, July 1 to Dec. 31	1.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 1	Pennsylvania R. R. Co.	Transportation	\$69.00
1	Lenoir Blowing Rock Telegraph Co.	Transmitting messages, Oct. 1 to Dec. 31	9.60
1	Carson and Colorado R. R. Co.	Freight charges	2.00
1	Southern California Rwy. Co.	do	1.03
1	Leon J. Glaenzler & Co.	Cartage and storage	1.90
1	Yazoo and Mississippi Valley R. R. Co.	Transportation	17.20
1	Colorado College	Office rent, Colorado Springs, Colo., Nov. 1 to Dec. 31	43.50
	Merchants and Miners' Transportation Co.	Freight charges	14.51
	Vandalia Line	do	1.80
1	Chicago, Burlington and Northern R. R. Co.	do	1.11
1	Duluth, South Shore and Atlantic R. R. Co.	do	3.95
1	Lowrman & Hanford	Caligraph	68.00
1	John W. Graham & Co.	Mucilage and ink	4125
1	Walter D. Tusten	Repairing clock	2.50
1	H. J. Cox	Cartage	3.00
1	Pascual Moreno	Services as janitor, Oct. 1 to Dec. 31	6.00
1	J. H. Harmon	Moving office furniture	2.00
1	Manhattan Supply Co.	Cotton waste	46.64
1	C. Neth, administrator	Stove grate	1.25
1	Chicago, Burlington and Quincy R. R. Co.	Freight charges	18.07
1	J. A. W. Turner	Painting	2.50
1	Rathyen Bros.	Matches	1.00
1	Pay roll, Detroit, Mich. substation.	Salaries, Oct. 1 to Dec. 31	69.69
1	Postal Telegraph Cable Co.	Transmitting messages, Aug. 19 to Nov. 24	6.20
1	John M. Williams	Hauling	1.88
1	Nordhoff & Knabe	Repairing clock	3.00
2	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Transmitting messages, December	13.97
2	R. J. Hyatt	Traveling expenses	9.75
2	I. M. Cline	do	11.84
2	Ernst T. Giers	do	3.65
2	Michigan Bell Telephone Co.	Transmitting messages, Oct. 1 to Dec. 31	337.91
2	Little Northern Telegraph Co.	do	6.25
2	Pennsylvania Co.	Transportation	11.00
2	Charles L. Roehm	Binding weather maps	10.00
2	Telephone and Telegraph Construction Co.	Telephone service, Oct. 1 to Dec. 31	45.00
2	R. E. Kerkam	Reeving halyards	5.00
2	Charles Gregor	Services as cleaner, January	5.00
2	W. M. Case	Services, January	40.00
2	W. S. Gosnell	Services as cleaner, January	5.00
2	Wm. Goffin	Boat hire, January	7.00
2	James Cameron	Hire of team	2.50
3	The E. S. Greeley & Co.	Hardware	22.40
3	Payroll, Vicksburg, Miss., substation.	Salaries, Oct. 1 to Dec. 31	93.20
3	Charles Stewart	Drayage, etc.	1.50
3	C. W. Tack	Binding weather maps	5.00
3	John C. Ingram	Painting	35.00
3	A. B. Logan	Erecting river gauge	35.00
3	Ullman Furniture Co.	Desk, table, chairs	63.00
3	H. Hoffa	Files	20.00
3	Keuffel & Esser Co.	Measuring sticks	105.00
3	A. Allen	Cleaning carpets	3.50
3	Julien P. Friez	Castings	1.85
3	Whiteside & Walton	Alcohol	15.00
3	F. A. Schneider	Tacks	10.00
3	Royce & Marean	Pliers	15.12
4	Thomas Robinson	Services for January	25.00
4	Lewis R. Dey	Stamps, with pads	7.50
4	W. Sherman	Burning oil	1.00
4	James Carss	Bench mark for river gauge	2.50
4	E. F. Bauscher	Erecting river gauge	30.00
4	James A. Barwick	Express charges	2.70
4	Miles Jackson	Services as cleaner, January	5.00
7	J. P. Slaughter	Hire of boat	2.00
7	J. N. Applebaugh	Services for January	36.00
7	S. L. Doshier	Post-office money orders	.88
7	D. C. Hibbard	Repairing telegraph line	24.00
7	H. P. Hardin	Hauling	1.50
7	John M. Klein	Roller on table	1.25
7	J. C. Morrell	Services as displayman, January	20.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 7	Cowperthwait Co	Table, chairs, etc	\$298.03
7	John C. Parker	Book paper	195.00
7	Alex. Pavarini & Son	Map frames	648.75
10	Webster, Fisher & Whitcomb	Repairing instruments	5.00
10	C. E. Bell & Co.	Night locks	1.50
10	John Campbell & Co.	Printing supplies	4.00
10	E. J. Brooks & Co.	Twine	27.40
10	Northwestern Paper Co	Mucilage, ink, etc	3.75
10	Pay roll, Mobile, Ala., substation	Salaries, December	54.30
10	W. L. Moore	Expenses, Jan. 3 to 31	43.50
10	W. E. Butler	Hauling, etc	2.55
10	Johnson & Shepard	Repairing clock	1.00
10	L. R. White	Repairing telegraph line	3.00
10	J. Baumgarten & Son	Printing supplies	3.50
10	Easton & Rupp	Stationery	54.30
10	W. B. Moses & Sons	Carpet, etc	42.37
10	Andrew Renz	Sharpening paper-cutter	3.00
10	Mark W. Harrington	Traveling expenses, January	24.60
10	Wm. Ballantyne & Sons	Stationery	120.93
10	H. C. Frankenfield	Expenses, January	46.50
10	W. A. Pate	Printing supplies	2.50
10	Maurice Joyce	Engraving, etc	21.70
10	John M. Williams	Drayage	1.25
11	New Eng and Telephone and Telegraph Co.	Transmitting messages, July 1 to Dec. 31	2.60
11	Norfolk and Western R. R. Co.	Transportation	8.05
11	Chicago, Burlington and North- ern R. R. Co.	Transmitting messages, December	4.78
11	Great Northwestern Telegraph Co.	do	141.30
11	New England Telephone and Telegraph Co.	Transmitting messages, July 1 to Dec. 31	9.45
11	A. Lawrence Rotch	Actinometers	29.00
11	A. G. Elliot & Co.	Manila paper	76.80
11	J. C. Piercy	Drayage, etc	1.00
11	International and Great North- ern R. R. Co.	Transportation	4.60
11	Geo. B. Ackerman	Traveling expenses	1.50
11	H. C. Bate	do	4.70
11	G. W. Pancoast	do	9.00
11	Julien P. Friez	Anemometers	375.00
11	A. J. Robbins	Repairing United States telegraph line	2.50
11	First National Bank, Portland, Me.	Office rent, Portland, Me., Oct. 1 to Dec. 31	126.00
11	New England Telephone and Telegraph Co.	Telephone service, Oct. 1 to Dec. 31	12.50
11	do	Rent of telephone, Oct. 1 to Dec. 31	12.50
11	Charles Shea	Services, Oct. 1 to Dec. 31	30.00
11	Richard Titus	Services as cleaner, January	4.00
11	John Heizman	Cleaning regulator	3.00
11	Columbus Board of Trade	Office rent, Columbus, Ohio, January	24.58
11	A. Cutler & Son	Repairing tables	29.00
11	M. Tahey	Erecting instrument shelter	28.50
11	Reisley & Smith	Removal of office, etc	30.00
11	Combination Toilet Stand Co.	Washing towels, January	1.50
11	Broadwater & Pepin	Coal oil	25.00
11	Emma Ling	Services as cleaner, January	5.00
11	Alabama and Vicksburg R. R. Co.	Freight charges	8.86
11	Louisville and Nashville R. R.	do .....	.81
11	Memphis Light and Power Co.	Rent of electric lights, January	6.64
11	N. B. Conger	Traveling expenses, July	48.50
11	P. F. Lyons	Traveling expenses, January	10.00
11	Geo. M. Chappel	do	14.65
11	Thos. J. Luttrell	Linen	3.25
11	Postal Telegraph Cable Co.	Transmitting messages	4.40
13	Cincinnati, New Orleans and Texas Pacific Rwy.	Freight charges .....	.48
13	Northern Central Rwy Co.	do	1.96
13	Vancouver Transportation Co.	do .....	.50
13	Anchor Line	do	8.03
13	Thos. J. Cowry	Drayage .....	.94
13	Baltimore and Ohio R. R. Co.	Transportation	21.70
13	do	Freight charges	17.27
13	Seaboard Air Line	do	2.50
13	Norfolk, Albermarle and Atlan- tic R. R. Co.	do	6.11
13	Raleigh and Gaston R. R. Co.	do	3.15
13	Wabash R. R. Co.	do	2.83
13	Fremont, Elkhorn and Missouri Valley R. R. Co.	do	3.20

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 13	Baltimore and Ohio Southwest- ern R. R. Co.	Freight charges	\$19.29
13	Schooner Nellie Low	do	6.00
13	New York Central and Hudson River R. R. Co.	do	3.18
13	W. R. Henderson	Painting river gauge	5.00
13	E. A. Wyatt	do	6.00
13	M. Wright	Drayage	1.35
13	Julien P. Friez	Polymeters	32.00
13	J. M. Gallagher	Services Oct. 1 to Dec. 31	15.00
13	David Cuthbertson	Traveling expenses, February	6.25
13	Paul G. Schuh	Mucilage, ink, etc.	3.65
13	Michigan Central R. R. Co.	Freight charges	.67
13	Francis Chaves	do	.82
13	Louis Dorman	Services for cleaner, November and De- cember.	3.00
13	Norfolk and Washington, D. C. Steamboat Co.	Freight charges	2.85
13	do	do	6.43
13	United States Express Co.	Expressage, December and January	2.10
13	J. H. Mills and Co.	Printers' supplies	6.60
13	Whiteside and Walton	Glycerine	9.50
16	Joseph Chilberg	Office rent, Olympia, Wash., January	26.50
16	Willis Wilkins	Services, December	3.10
16	East Cleveland R. R. Co.	Street-car tickets	15.00
16	T. J. Wescott and Co.	Axe and helve	1.00
16	B. Newell	Services as cleaner, January	5.00
16	James Downey	do	3.00
16	Maurice Joyce	Engraving	26.58
16	do	do	58.50
16	Onellette and Gillis	Determining elevation of instrument	10.00
16	Gurney Cab and Transfer Co.	Hauling	7.00
16	Cowperthwaite Co.	Rugs	8.00
16	Joseph Gussenhoven	Heating stone	17.50
16	Western Union Telegraph Co.	Transmitting messages, September 12	440.60
17	Clarksburg and Weston Tele- graph Co.	Transmitting messages, December	12.20
17	Smedley and Bros. Co.	Freight charges, December	2.79
17	A. Thomann	Copper figures for river gauge	1.00
17	Isaac Friedenwald	Wrappers	1,432.17
17	Richmond and Danville R. R.	Transportation	115.40
18	The Texas, Mexican Rwy. Co.	do	3.55
18	George W. Tindall	Wood	6.00
18	Pay roll, Atlanta, Ga. substation	Salaries, Oct. 1 to Dec. 31	113.41
18	Slocum Wire Works Co.	Repairing map-shading outfit	2.00
18	Wyoming Midland Telegraph Co.	Transmitting messages	13.80
18	M. Ehresman	Services as cleaner, January	3.00
18	E. L. Tyrrell	Repairing clock	2.00
18	Thos. H. Pease & Son	Mucilage, ink, etc.	3.25
18	B. F. Avery & Sons	Barbed wire	2.25
18	Illinois Central R. R. Co.	Transportation	5.60
18	C. P. Rohrbough	Services, January	7.75
18	William E. Hook, jr.	Transportation	10.00
20	J. W. Bauer	Traveling expenses	3.25
20	W. L. Moore	Expenses, February	21.00
20	W. B. Stockman	Traveling expenses	6.00
20	R. S. Manger	do	6.10
20	G. S. Jones	do	2.75
20	H. Irvine	do	14.90
20	F. A. Schneider	Printing supplies	5.75
20	J. C. Entwistle	Engraving	31.00
23	Pacific Postal Telegraph Cable Co.	Transmitting messages, December	8.67
23	Kingwood Cranberry Tele- graph Co.	Transmitting messages, July 1 to Dec. 31	12.90
23	Cincinnati, New Orleans and Texas Pacific Rwy. Co.	Transportation, I. M. Cline <i>et al.</i> , January	43.55
23	Old Colony R. R. Co.	Transportation, M. W. Harrington, Jan. 27	11.50
23	South Carolina Rwy. Co.	Transportation, B. R. Stuart, Dec. 27	4.50
23	Edison Mutual Telegraph Co.	Transmitting messages, December and January.	13.10
23	R. G. Goffin	Hire of boat	5.00
23	James Cameron	Repairing United States telegraph line	2.00
23	H. E. Fagan	Repairing instrument shelter	3.00
23	Thayer & Jackson Stationery Co.	Binding maps	7.00
23	Wm. Forsyth & Son	Iron ladder to wind-vane	30.00
23	W. C. Stark	Bucksaw	3.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 23	The J. K. Hill Co.....	Caligraph.....	\$68.00
23	D. C. Hibbard.....	Repairing United States telegraph line.....	21.00
23	John Campbell.....	do.....	12.50
23	G. W. Little.....	Flagstaff.....	11.00
23	Chas. A. Klein.....	Dabor and material.....	2.50
23	Postal Telegraph Cable Co.....	Transmitting messages, January.....	4.20
24	Puget Sound and Alaska Steamship Co.....	Transportation, H. Irvine, Nov. 23.....	2.00
24	New York Central and Hudson River R. R. Co.....	Transportation, F. W. Krichelt, Jan. 4.....	17.07
24	Edward A. Beals.....	Traveling expenses, February.....	5.55
24	W. L. Moore.....	do.....	6.25
24	Forsberg & Murray.....	Wind-vanes, etc.....	184.75
25	The Kingston Telegraph Co.....	Transmitting messages, December.....	6.00
25	Star Union Line.....	Freight charges, November.....	5.10
25	Wilmington and Weldon R. R. Co.....	do.....	6.08
25	Chicago, Burlington and Quincy R. R. Co.....	Freight charges, December.....	5.80
25	Charleston and Savannah Rwy. Co.....	Freight charges, November.....	2.75
25	Chas. M. Strong.....	Traveling expenses, February.....	37.75
25	Williams & Hanks.....	Printing supplies.....	9.46
25	J. C. Entwistle.....	Engraving.....	5.00
28	New Bedford, Martha's Vineyard and Nantucket Steamboat Co.....	Freight charges, July 25.....	8.04
28	Julien P. Friez.....	Electrotypes.....	2.50
28	F. P. Chaffee.....	Traveling expenses, February.....	3.25
28	Orlof T. Brown.....	do.....	3.75
28	Sussfeld, Lorsch & Co.....	Telescope.....	60.00
28	James J. Oslin.....	Repairing river-gauge.....	6.00
28	The Manhattan Supply Co.....	Dark lanterns.....	48.75
28	E. J. Brooks & Co.....	Nails.....	34.90
28	Pennsylvania R. R. Co.....	Transportation, F. W. Krichelt, Jan. 2.....	32.73
28	Maurice Joyce.....	Engraving.....	40.25
28	John C. Parker.....	Stationery.....	26.25
28	W. A. Pate.....	Printing supplies.....	4.25
28	J. K. Robinson <i>et al</i>	Printing roll for February.....	1,798.22
28	George F. Flint <i>et al</i>	Climatology roll for February.....	653.60
28	H. C. Frankenfield.....	Expenses, February.....	42.00
28	W. T. Galliher & Bro.....	Lumber.....	65.20
28	Mortimer Whitehead.....	Traveling expenses, February.....	31.35
Mar. 1	Milton Whitney.....	Services for February.....	186.60
1	T. Kircher.....	Repairing clock.....	1.50
1	Spaulding Bros.....	Repairing wind-vane.....	2.00
1	W. M. Case.....	Service, for February.....	40.00
1	W. S. Gaskell.....	Services as cleaner, February.....	5.00
1	Samuel N. Harwood.....	Repair of caligraph.....	2.50
1	Thomas Roti.....	Repairing United States telegraph line.....	14.00
1	C. E. McCrary.....	Painting, etc.....	4.00
3	New York, New Haven and Hudson River R. R. Co.....	Transportation, C. B. Tuch.....	21.50
3	R. E. Eastland.....	Services, Nov. 15 to Dec. 31.....	7.66
3	R. J. Hyatt.....	Traveling expenses, February.....	9.25
3	Pennsylvania R. R. Co.....	Freight charges, November.....	5.26
3	Vandalia Line.....	do.....	10.31
1	Southern Pacific Co. (Atlantic system).....	Freight charges, October.....	8.29
3	Hannibal and St. Joseph R. R.....	Freight charges, October.....	2.08
3	Burlington and Missouri River Rwy. in Nebraska.....	Freight charges, September.....	.53
3	Thaddeus Davids Co.....	Stamping ink.....	30.00
3	St. Louis and San Francisco Rwy.....	Freight charges, November.....	.75
3	Cincinnati, Hamilton and Dayton R. R. Co.....	Freight charges, December.....	3.24
3	Sevrin Johnson.....	Repairing United States telegraph line.....	3.75
3	Thomas Butler.....	do.....	11.25
3	John Tunkkari.....	do.....	5.00
3	Levy, Dryfus & Co.....	Alarm clocks.....	14.40
3	C. G. Abercrombie.....	Coal.....	2.75
3	Combination Toilet Stand Co.....	Washing towels, February.....	1.50
3	Missouri and Kansas Telegraph Co.....	Rent of telephone, Oct. 1 to Dec. 31.....	21.00
3	W. H. Walraven.....	Binding maps.....	6.00
3	E. H. Emery.....	Traveling expenses, February.....	2.50
3	George H. Davis.....	Binding maps.....	3.50
3	M. S. Gilbransen.....	Repairing wind-vane.....	2.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 3	B. Nowell.....	Services as cleaner, February.....	\$5.00
3	John Noonan.....	Labor and material.....	12.50
3	Western Union Telegraph Co.	Transmitting messages, July 1 to 27.....	9,019.61
3	Thomaston and Barnesville Telegraph Line.....	Transmitting messages, Dec. 1, 1892, to Jan. 31, 1893.....	2.90
3	Philadelphia, Reading and Pottsville Telegraph Co.	Telegraphing, January.....	8.80
3	George M. Chappel.....	Expenses, Jan. 31 to Feb. 28.....	43.50
3	P. F. Lyons.....	Expenses, Jan. 30 to Feb. 28.....	45.00
3	E. L. Bugbee.....	Traveling expenses, February.....	3.00
3	John C. Parker.....	Typewriter ribbons, etc.....	122.16
8	Samuel Look.....	Expenses, February.....	20.50
8	Robert Mayer & Co.....	Printing supplies.....	71.90
8	F. Bader.....	Repairing wind-vane.....	1.75
8	B. A. Jenne.....	Office rent, Idaho Falls, Idaho, January.....	30.00
8	Eimer & Amend.....	Glass sunshine recorders.....	206.25
8	The E. S. Greely & Co.....	Electrical supplies.....	228.00
8	Chicago and West Michigan R. R. Co.....	Transportation, G. B. Ackerman, Jan. 30.....	5.35
8	B. S. Pague.....	Expenses, January and February.....	18.50
8	Cincinnati, New Orleans and Texas Pacific R. R. Co.	Transportation, R. J. Hyatt, Feb. 1.....	2.45
8	Atchison, Topeka and Santa Fe R. R. Co.....	Freight charges, September.....	25.02
8	East Tennessee, Virginia and Georgia Rwy. Co.....	Transportation, H. C. Bate, Feb. 1.....	8.10
8	do.....	Freight charges, Nov. 9.....	13.51
8	J. E. Cairns.....	Expressage.....	2.00
8	Virginia and Truckee R. R. Co.	Freight charges, Aug. 8.....	.47
8	Northeastern R. R. Co.....	Freight charges, Dec. 16.....	5.05
8	New York and New England R. R. Co.....	Freight charges, Oct. 25.....	1.04
8	W. C. Noon & Co.....	Signal flags.....	21.00
8	P. J. Bolton.....	Hauling, etc.....	1.75
8	Thos. Robinson.....	Services, February.....	25.00
8	John J. Mulligan.....	Painting wind-vane, etc.....	5.00
8	Lee Richardson & Co.....	Hardware.....	4.15
8	Joseph Chilberg.....	Office rent, Olympia, Wash., February.....	26.50
8	Jennie Pritchett.....	Services as cleaner, February.....	3.00
8	Geo. Ryneal, jr.....	Gum arabic.....	17.04
8	Maurice Joyce.....	Engraving.....	8.00
8	Forsberg & Murray.....	Labor and material.....	63.70
13	George F. Cram.....	State pocket maps.....	26.50
13	New England Telephone and Telegraph Co.....	Transmitting messages, January.....	2.50
13	Minneapolis, St. Paul, Sault Ste. Marie Rwy.....	do.....	22.00
13	Benj. R. Stuart.....	Cleaning office, etc.....	11.90
13	J. H. Thiemeier & Co.....	Packing boxes.....	25.00
13	Charles Gregor.....	Services as cleaner, February.....	5.00
13	P. Connor.....	Street cartickets.....	4.70
13	Golding & Co.....	Plymouth Rock mailers.....	25.00
13	Wyckoff, Seamans & Benedict.....	Typewriter and table.....	94.25
13	Robert C. Orrell.....	Repairing United States telegraph line.....	6.00
13	J. W. Hughes.....	do.....	1.50
13	Miles Jackson.....	Services as cleaner, February.....	5.00
13	J. C. Morrell.....	Services for February.....	20.00
13	John C. Parker.....	Stationery.....	262.50
13	F. A. Schneider.....	Darklanterns.....	16.00
13	C. F. Marvin.....	Repairing instruments.....	2.35
13	Chas. M. Stoeber.....	Map paper.....	366.40
14	W. C. N. Randolph, jr.....	Repairing weather-vane.....	20.60
14	Hannibal and St. Joseph Rail- road.....	Freight charges, September.....	7.65
14	W. M. Wilson.....	Drayage.....	1.75
14	Pay roll, Kansas City, Mo., sub- station.....	Salaries, January and February.....	23.60
14	James Downey.....	Services as cleaner, February.....	3.00
14	J. N. Applebaugh.....	Services for February.....	36.00
14	A. J. Robbins.....	Repairing United States telegraph line.....	2.50
14	Jennie Pritchett.....	Services as cleaner, January.....	3.00
14	Richard Titus.....	Services as cleaner, February.....	4.00
14	E. A. Beals.....	Traveling expenses, February.....	10.50
14	Emma Ling.....	Services as cleaner, February.....	5.00
14	Julien P. Friez.....	Brass tubing, etc.....	8.10
14	John Fahe.....	Services as cleaner, February.....	3.00
14	John W. Byram.....	Traveling expenses, February.....	12.00
14	Benton Waldo Tpye Foundry.....	Casting roller.....	3.75
14	Albert Gall.....	Brussels rug.....	57.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 14	Great Northwestern Tele- graph Co.	Transmitting messages, July 1 to Dec. 31.	\$659.88
14	Michigan Central R. R. Co.	Transportation, E. A. Brown Jan. 12.	24.60
14	Nashville, Chattanooga and St. Louis R. R. Co.	Transportation, H. C. Bate <i>et al.</i> , Jan. 30.	19.90
14	A. J. Davis	Traveling expenses, February.	14.25
14	Michael Fahey	Labor and material	25.00
14	W. P. Briggs	Services, Jan. 1 to Feb. 28	5.90
14	Times Printing House	Binding maps	3.00
14	F. A. Buechler	Canvas covers, etc.	8.00
14	John M. Williams	Hauling	3.25
14	E. W. Raub	do	3.00
15	L. M. Dey, jr.	Traveling expenses, February	3.75
15	B. A. Jenne	Office rent, Idaho Falls, Idaho, February	30.00
15	J. D. Free, jr.	Milliographs, etc.	188.00
15	Andrew B. Graham	Engravings	45.00
15	John C. Parker	Stationery	210.00
15	J. B. Chamberlain	Seed plates	2.05
17	Great Northwestern Tele- graph Co.	Transmitting messages, January	151.33
17	Memphis Light and Power Co.	Rent of electric lights, February, etc.	9.20
17	H. C. Frankenfield	Traveling expenses, March	7.00
17	E. Stacy	Services as cleaner, Jan. 1 to Feb. 28	7.50
17	Cobolite (Indian)	Erecting flagstaff	9.00
17	John G. Whitcomb	Labor and material	16.75
17	David Cuthbertson	Repairing caligraph, etc.	2.10
17	E. K. Myers	Stub books	4.00
17	Weston M. Fulton	Expenses February	2.50
17	E. T. Webber	Office rent, Santa Fe, N. Mex., Jan. 1 to Feb. 28.	97.50
17	E. C. Everhart	Removing furniture, etc.	48.00
17	S. G. Duffey	Expenses March	5.25
17	D. N. Smith	Services, Jan. 1 to Feb. 28	5.80
17	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation, H. R. Patrick, Mar. 6.	4.15
17	Louisville and Nashville R. R. Co.	Transportation, N. B. Conger <i>et al.</i> , Jan. 18.	32.45
17	C. B. Fenton & Co.	Recasting milliograph rollers	70.70
17	E. L. Bugbee	Traveling expenses, March	17.15
17	Adams Express Co.	Expressage, January and February	26.29
17	H. J. Penrod	Traveling expenses, March	3.00
17	Wm. Buckley	Repairing United States cable	300.00
18	Wyoming Midland Telegraph Co.	Transmitting messages February	12.35
18	John Ryan Type Foundry	Printing supplies	16.70
18	Paul H. Neuffer	Repairing anemometer	3.00
18	W. M. Fulton	Drayage, etc.	2.77
18	Henry Seymour, agent for Merritt Wrecking Organiza- tion.	Repairing United States telegraph cable	300.00
18	St. Louis, Keokuk and North- western R. R. Co.	Transportation, R. J. Hyatt, Jan. 9	18.80
18	Northern Pacific R. R. Co.	Transportation, B. S. Pague, Jan. 28.	7.00
18	Kansas City, Fort Scott and Memphis R. R. Co.	Transportation, F. C. Hall <i>et al.</i> , Jan. 9	17.97
18	Chicago, Milwaukee and St. Paul Rwy Co.	Transportation, W. L. Moore, Dec. 22	2.55
18	Chicago, Burlington and Northern R. R. Co.	Transportation, F. F. Lyons, Jan. 16.	29.00
18	Pennsylvania R. R. Co.	Transportation, D. Cuthbertson <i>et al.</i> , Jan. 31.	99.35
18	Allegheny Valley Rwy	Transportation, E. A. Beals, Feb. 9	5.40
18	William E. Hook, jr.	Livery hire	20.00
18	Jol Coley	Services from Mar. 6 to 14	6.75
18	M. G. Copeland & Co.	Flags	479.34
18	Andrew B. Graham	Engraving	5.00
20	Standard Thermometer Co.	Repairing thermometer	17.00
20	Fort Worth and Denver City Rwy. Co.	Freight charges, Oct. 22	2.41
20	New York and New England R. R. Co.	Freight charges, Jan. 31	8.20
20	Great Northern Rwy. Co.	Freight charges, Nov. 9	1.40
20	Louisville and Nashville R. R.	Freight charges, Oct. 20	5.78
20	J. C. Addison	Manila cardboard	41.25
23	Philadelphia, Reading and Pottsville Telegraph Co.	Transmitting messages, February	8.03
23	Gulf, Colorado and Santa Fe Rwy. Co.	Transportation, A. Ashenberger, Dec. 20.	3.00
23	The Kingston Telegraph Co.	Transmitting messages, Jan. 1 to Feb. 28.	11.20
23	Clarksburg and Weston Tele- graph Co.	do	37.20

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 23	H. C. Frankenfield.....	Traveling expenses, March.....	\$5.50
23	D. C. Hibbard.....	Repairing United States Telegraph line.....	15.25
23	Severen Johnson.....	do.....	16.25
23	Samuel R. Snecal.....	do.....	5.00
23	Arthur McNally.....	do.....	35.00
23	Thomas Reed.....	do.....	2.50
23	R. S. Smith.....	do.....	23.75
23	John Campbell.....	do.....	12.50
23	G. T. W. Wells.....	do.....	16.00
23	do.....	do.....	4.00
23	Isaac Friedenwald.....	Maps.....	1,800.00
23	G. H. Willson.....	Traveling expenses, February.....	10.50
23	Stephen Nadeau.....	Painting roof, etc.....	9.20
23	Jos. P. Fallihee.....	Repairing United States telegraph line.....	6.50
23	L. M. Bindell.....	Labor, drayage, etc.....	23.64
23	J. M. Sherier.....	Traveling expenses, March.....	4.50
23	Thomas Butler.....	Wood.....	24.00
23	L. Zeckendorf & Co.....	Washstand, etc.....	7.15
23	Benj. R. Stuart.....	Traveling expenses, March.....	2.50
23	Broadwater & Pepin.....	Coal.....	19.00
23	The People's Furniture Co.....	Revolving chair.....	8.00
23	S. J. Lutz & Co.....	Washbowl and pitcher.....	2.50
23	H. C. Bate.....	Traveling expenses, March.....	20.15
23	Andrew B. Graham.....	Engraving.....	5.00
23	John C. Parker.....	Carbon paper, etc.....	30.00
25	C. W. Yates.....	Mucilage and ink.....	1.35
25	The Brunswick Bridge & Ferry Co., by D. L. Russell, lessee.....	Ferry tickets.....	30.00
25	D. Beaudette.....	Cleaning clock.....	1.50
25	John Tunkkari.....	Repairing telegraph line.....	3.50
25	A. F. Warren.....	do.....	7.00
25	S. S. Bassler.....	Drayage, etc.....	1.80
25	Indian River Steamboat Co.....	Freight charges, November.....	4.50
25	Ohio & Mississippi Rwy. Co.....	Freight charges, December.....	10.05
25	do.....	Freight charges, Oct. 4.....	19.78
25	do.....	Freight charges, Oct. 29.....	5.67
25	Merchants' Steamship Co.....	Freight charges, Sept.....	2.94
25	Narragansett Pier R. R.....	Freight charges, Oct. 25.....	5.92
25	G. B. McCoy.....	Transmitting messages, February.....	6.00
25	Merchants & Miners' Transportation Co.....	Freight charges, Jan. 11.....	17.29
25	Western Railway of Alabama.....	Freight charges, Nov. 1.....	3.16
25	Vicksburg, Shreveport and Pacific R. R. Co.....	Freight charges, Oct. 8.....	2.43
25	J. N. Ryker.....	Traveling expenses, March.....	8.80
25	J. H. Harmon.....	do.....	18.25
25	W. P. Waters.....	Repairing clock.....	1.50
25	C. G. Abercrombie.....	Coal.....	2.75
25	Butler Bros.....	Painting wind vane.....	3.00
31	Julien P. Friez.....	Triple registers.....	1,250.00
31	The Standard Engraving Co.....	Engraving.....	2.00
31	N. B. Conger.....	Traveling expenses, March.....	33.00
31	Leon J. Glaenger & Co.....	Thermometers, etc.....	47.52
31	J. W. Bauer.....	Traveling expenses, March.....	3.25
31	Geo. Muir & Co.....	Printing supplies.....	12.50
31	John M. Barr.....	Repairing flag-staff.....	10.00
31	Geo. F. Flint <i>et al</i>	Climatology payroll.....	723.20
31	J. B. Chamberlain.....	Ribbons for typewriter.....	2.00
31	W. J. Taylor <i>et al</i>	Printing payroll.....	2,003.01
31	Baltimore and Ohio R. R. Co.....	Freight charges, Feb. 24.....	17.14
	Total third quarter.....		88,524.26
Apr. 1	Milton Whitney.....	Services for March.....	206.70
1	Pacific Postal Telegraph Cable Co.....	Transmitting messages, Jan. 15 to 31.....	.70
1	Tidewater Telephone Co.....	Transmitting messages, Dec. 1 to Feb. 28.....	4.90
1	Minneapolis, St. Paul, Sault Ste. Marie Rwy. Co.....	Transmitting messages, February.....	20.20
1	New England Telephone and Telegraph Co.....	do.....	2.10
1	Chicago, Milwaukee and St. Paul Rwy. Co.....	Freight charges, July 11.....	1.47
1	Henry A. Conklin.....	Drayage.....	10.00
1	Thos. J. Cowry.....	do.....	10.70
1	Ohio and Mississippi Rwy. Co.....	Freight charges, Nov. 8.....	4.64
1	Great Northwestern Telegraph Co.....	Transmitting messages, February.....	120.44
1	Chicago, Burlington and Northern R. R. Co.....	Transmitting messages, January.....	7.84

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 1	Chicago, Burlington and Northern R. R. Co.	Transmitting messages, February.....	\$6.96
1	Western Union Telegraph Co.	Rent of cable, Jan. 1 to Dec. 31.....	300.00
1	Isaac Friedenwald.....	Maps.....	2,289.60
4	Iowa Union Telephone Co.	Rent of telephone, etc., Jan. 1 to Mar. 31.....	12.00
4	Central Union Telephone Co.	do.....	81.00
4	The Vicksburg Furniture Co.	Washstand.....	8.00
4	W. M. Case.....	Services for March.....	40.00
4	C. L. Crocker.....	Services, Jan. 1 to Mar. 31.....	15.00
4	Horace A. Tilton.....	Making anemometer stand.....	12.00
4	Robert G. Goffin.....	Services as cleaner, Jan. 1 to Mar. 31.....	9.00
4	Pay roll, Woods Hall, Mass.	Substation, salaries, Jan. 1 to Mar. 31.....	60.00
4	The Bell Telephone Co.	Rent of telephone, Jan. 1 to Mar. 31.....	17.50
4	Black Hills Telegraph and Telephone Co.	do.....	21.00
4	Union Ice Co.	Ice, Jan. 1 to Mar. 31.....	6.60
4	Pacific Telephone and Telegraph Co.	Telephone Exchange, Jan. 1 to Mar. 31.....	22.50
4	J. W. Thompson.....	Rent of telephone, Jan. 1 to Mar. 31.....	15.00
4	New England Telephone and Telegraph Co.	do.....	12.50
4	John A. Barker.....	Services as cleaner, Jan. 1 to Mar. 31.....	9.00
4	Nebraska Telephone Co.	Telephone Exchange, March.....	2.00
4	The Bell Telephone Co., of Philadelphia.	Telephone Exchange, Jan. 1 to Mar. 31.....	30.00
4	Wm. A. Johnson.....	Services, Jan. 1 to Mar. 31.....	30.00
4	Duluth Telephone Exchange.	Telephone Exchange, Jan. 1 to Mar. 31.....	15.00
4	The Northwestern Telephone Exchange Co.	do.....	18.00
4	Pay roll, Jacksonville, Fla.	Substation, salaries, Jan. 1 to Mar. 31.....	45.00
4	G. P. Wilcox.....	Hire of boat, etc.....	1.00
5	Pay roll, Corpus Christi, Tex.	Substation, salaries, Jan. 1 to Dec. 17.....	82.50
5	Western Railway of Alabama.	Transportation, A. B. Conger, Jan. 17.....	5.25
5	Michigan Central R. R. Co.	Transportation, E. A. Beals, Feb. 25.....	25.00
5	Boston and Maine Railroad.	Transportation, R. S. Manger, Mar. 21.....	17.50
5	W. S. Gosnell.....	Services as cleaner, March.....	5.00
5	The Empire State Telephone and Telegraph Co.	Telephone service, Jan. 1 to Mar. 31.....	13.50
5	Western New York and Pennsylvania R. R. Co.	Transportation, E. A. Beals, Feb. 2.....	5.40
5	Henry L. Hart.....	Repairing milligraph roller.....	1.00
5	The Morton Scott Robertson Co.	Canvas cover.....	6.00
5	S. S. Bassler.....	River gauging.....	4.75
5	John J. Veeder.....	Repairing United States telegraph line.....	2.00
5	Chas. A. Klein.....	Repairing office chair.....	1.00
5	John Tunkkari.....	Repairing United States telegraph line.....	2.50
5	Toilet Supply Co.	Washing towels, March.....	1.50
5	P. M. De Vitt.....	Office rent, Abilene, Tex., Jan. 1 to Mar. 31.....	100.62
5	Baer & Bloch.....	Office rent, Baker City, Oregon, Jan. 1 to Mar. 31.....	87.50
5	Buffalo Board of Trade.....	Office rent, Buffalo, N. Y., Jan. 1, to Mar. 31.....	142.06
5	F. E. Warren.....	Office rent, Cheyenne, Wyo., Jan. 1 to Mar. 31.....	91.90
5	John H. Clune.....	Office rent, Cheboygan, Mich., Jan. 1 to Mar. 31.....	49.50
5	Geo. French.....	Office rent, Corpus Christi, Tex., Jan. 1 to Mar. 31.....	86.37
5	E. F. Hallack.....	Office rent, Denver, Colo., Jan. 1 to Mar. 31.....	150.00
5	C. M. Beeson.....	Office rent, Dodge City, Kans., Jan. 1 to Mar. 31.....	97.91
5	American Exchange Bank.....	Office rent, Duluth, Minn., Jan. 1 to Mar. 31.....	114.47
5	Fresno Loan and Savings Bank.	Office rent, Fresno, Cal., Jan. 1 to Mar. 31.....	100.00
5	Homer W. Styron.....	Office rent, Hatteras, N. C., Jan. 1 to Mar. 31.....	38.62
5	Charles E. Bryant, receiver for Alliance Building.	Office rent, Huron, S. Dak., Jan. 1 to Mar. 31.....	78.25
5	Abbie S. Ingalls.....	Office rent, Indianapolis, Ind., Jan. 1 to Mar. 31.....	83.83
5	R. McLaughlin.....	Office rent, Jacksonville, Fla., Jan. 1 to Mar. 31.....	78.04
5	The Kearney Opera House Co.	Office rent, Kearney, Nebr., Jan. 1 to Mar. 31.....	75.00
5	Matt Borland.....	Office rent, Lander, Wyo., Jan. 1 to Mar. 31.....	90.00
5	Walker & Hall.....	Office rent, Meridian, Miss., Jan. 1 to Mar. 31.....	70.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893. Apr. 5	L. N. Heil.....	Office rent, Montrose, Colo., Jan. 1 to Mar. 31.	\$98.00
5	Puget Sound Coöperative Colony, by J. E. Kreuger, secretary.	Office rent, Port Angeles, Wash., Jan. 1 to Mar. 31.	59.00
5	Wm. Crawford.....	Office rent, Pysht, Wash., Jan. 1 to Mar. 31.	30.00
5	Thomas Sweeney.....	Office rent, Rapid City, S. Dak., Jan. 1 to Mar. 31.	100.76
5	D. W. Gedney, treasurer Cone & Kimball Co.	Office rent, Red Bluff, Cal., Jan. 1 to Mar. 31.	100.99
5	W. H. Wood & Co.....	Office rent, Sacramento, Cal., Jan. 1 to Mar. 31.	75.00
5	L. G. Nesmith.....	Office rent, San Diego, Cal., Jan. 1 to Mar. 31.	120.00
5	H. H. Taylor, agent Mills Building.	Office rent, San Francisco, Cal., Jan. 1 to Mar. 31.	300.00
5	Chamber Commerce Building.	Office rent, St. Paul, Minn., Jan. 1 to Mar. 31.	75.21
5	J. C. De Lany.....	Office rent, Fort Stanton, N. Mex., Jan. 1 to Mar. 31.	120.00
5	The First National Bank.....	Office rent, Sault Ste. Marie, Mich., Jan. 1 to Mar. 31.	85.75
5	E. H. Jamieson.....	Office rent, Spokane, Wash., Jan. 1 to Mar. 31.	64.20
5	The Columbian Building.....	Office rent, Topeka, Kans., Jan. 1 to Mar. 31.	87.50
5	A. P. Eagleston.....	Office rent, Vineyard Haven, Mass., Jan. 1 to Mar. 31.	100.00
5	Paine Brothers.....	Office rent, Wallawalla, Wash., Jan. 1 to Mar. 31.	73.95
5	P. Leavago, county treasurer.	Office rent, Winnemucca, Nev., Jan. 1 to Mar. 31.	67.00
5	The Sedgwick Building Investment Co.	Office rent, Wichita, Kans., Jan. 1 to Mar. 31.	90.7
5	William E. Hook, jr.....	Transportation, Mar. 17.....	10.00
5	J. A. Miller.....	Office chair.....	6.00
5	A. O. Harvey.....	Repairing instrument shelter.....	1.00
5	R. H. McAlpine.....	Soldering roof, etc.....	1.25
5	Oregon Telephone and Telegraph Co.	Rent of telephone, Jan. 1 to Mar. 31.....	22.50
5	C. F. Gregor.....	Services as cleaner, March.....	5.00
5	New York and Pennsylvania Telephone and Telegraph Co.	Telephone service, Jan. 1 to Mar. 31.....	6.00
5	The Pennsylvania Telephone Co.	Rent of telephone, Jan. 1 to Mar. 31.....	21.00
5	Portland Trust Co., of Oregon.	Office rent, Portland, Oregon, Jan. 1 to Mar. 31.....	150.00
5	Paul Wilson.....	Office rent, Pueblo, Colo., Jan. 1 to Mar. 31.....	84.00
5	Alamo Fire Insurance Co.	Office rent, San Antonio, Tex., Jan. 1 to Mar. 31.....	75.00
5	D. S. Hutchinson.....	Office rent, Titusville, Fla., Jan. 1 to Mar. 31.....	85.74
5	J. C. Hayden.....	Traveling expenses, February.....	10.50
6	A. F. Kenzler.....	Washing towels, etc., Jan. 1 to Mar. 31.....	5.50
6	James Brechemin.....	Lettering frames, etc.....	16.10
6	R. S. Mauger.....	Traveling expenses, March.....	6.15
6	Henry R. Patrick.....	do.....	6.75
6	Klune & Floberg.....	Repairing clock.....	2.50
6	Troy Steam Laundry.....	Washing towels, Jan. 1 to Mar. 31.....	1.50
6	T. P. Kee.....	Painting river gauge.....	3.60
6	Geo. M. Chappel.....	Expenses, March.....	46.50
6	P. F. Lyons.....	do.....	46.50
6	Frank Bianchi.....	Services as cleaner, Jan. 1 to Mar. 31.....	9.00
6	Pay roll, Boston, Mass., substitution.	Salaries, Jan. 1 to Mar. 31.....	432.75
6	Pay roll, New Haven, Conn.....	do.....	76.50
6	Pay roll, Savannah, Ga.....	do.....	66.00
6	M. G. Copeland & Co.....	Signal flags.....	765.50
8	Andrew Renz.....	Sharpening knives.....	3.00
8	J. H. Chesley & Co.....	Washbowls.....	1.80
8	Geo. W. Knox Express.....	Drayage.....	5.83
8	W. E. Nickerson.....	Boat hire.....	5.00
8	M. Edwards.....	do.....	4.00
8	Baltimore and Ohio R. R. Co.....	Transportation, O. T. Brown, Feb. 17.....	12.75
8	P. McDonough.....	Traveling expenses, March.....	4.90
8	Southern Bell Telephone and Telegraph Co.	Rent of telephone, Jan. 1 to Mar. 31.....	15.00
8	do.....	do.....	15.00
8	The Central District and Printing Telegraph Co.	do.....	12.50
8	The New England Telephone Co.	do.....	31.25

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893. Apr. 8	Southern Bell Telephone and Telegraph Co.	Telephone service, Jan. 1 to Mar. 31	\$15.00
8	Illinois Central R. R.	Transportation, R. J. Hyatt <i>et al.</i> , Feb. 1 ..	25.14
8	Chicago Telephone Co.	Rent of telephone, Jan. 1 to Mar. 31	31.25
8	Sunset Telephone and Telegraph Co.	do	15.00
8	East Tennessee Telephone Co.	Telephone service, Jan. 1 to Mar. 31	15.00
8	City and Suburban Telegraph Association.	do	25.00
8	Southern Bell Telephone and Telegraph Co.	do	16.00
8	N. B. Conger	Traveling expenses, March	9.25
8	William H. Cardew	Services, Jan. 1 to Mar. 31	22.50
10	American Mining and Milling Co.	Quartz sand	12.75
10	Northern Central Rwy. Co.	Freight charges, Feb. 20	3.84
10	James A. Barwick	Traveling expenses, March	34.10
10	Pennsylvania R. R. Co.	Freight charges, Nov. 16	8.85
10	do	Freight charges, Sept. 12 .....	.70
10	Pacific Coast Steamship Co.	Freight charges, Oct. 3 .....	.65
10	Baltimore and Ohio R. R. Co.	Freight charges, Dec. 20	2.35
10	Ohio and Mississippi Rwy. Co.	Freight charges, Jan. 31	4.82
10	Vandalia Line	Freight charges, Jan. 7 .....	.74
10	Denver and Rio Grande R. R. Co.	Freight charges, Nov. 9	1.45
10	Geo. W. Williams	Office rent, Charleston, S. C., Jan. 1 to Mar. 31	117.93
10	Real Estate and Law Building Co.	Office rent, Atlantic City, N. J., Jan. 1 to Mar. 31	45.49
10	First National Bank of Bismarck, N. Dak.	Office rent, Bismarck, N. D., Jan. 1 to Mar. 31	99.00
10	Henry Bolton	Office rent, Alpena, Mich., Jan. 1 to Mar. 31 ..	52.84
10	Chicago Auditorium Association.	Office rent, Chicago, Ill., Jan. 1 to Mar. 31 ..	172.57
10	B. S. Williams	Office rent, Concordia, Kans., Jan. 1 to Mar. 31 ..	66.00
10	C. R. Wheeler	Office rent, Columbus, Ohio, Jan. 1 to Mar. 31 ..	83.32
10	Margaret Parmentier	Office rent, Green Bay, Wis., Jan. 1 to Mar. 31 ..	75.00
10	Broadwater & Pepin	Office rent, Havre, Mont., Jan. 1 to Mar. 31 ..	90.00
10	Catherine Wilson	Office rent, Los Angeles, Cal., Jan. 1 to Mar. 31 ..	104.82
10	J. G. Payne, attorney, Law Building.	Office rent, Lynchburg, Va., Jan. 1 to Mar. 31 ..	67.50
10	Melina Wilcke	Office rent, Manistee, Mich., Jan. 1 to Mar. 31 ..	56.25
10	F. M. Brown & Co.	Office rent, New Haven, Conn., Jan. 1 to Mar. 31 ..	100.00
10	R. S. Dodson	Office rent, Norfolk, Va., Jan. 1 to Mar. 31 ..	131.25
10	H. Overholser	Office rent, Oklahoma City, Okla., Jan. 1 to Mar. 31 ..	101.75
10	Joseph Chilberg	Office rent, Olympia, Wash., Jan. 1 to Mar. 31 ..	26.50
10	S. Marks & Co.	Office rent, Roseburg, Oregon, Jan. 1 to Mar. 31 ..	75.50
10	Savannah Board of Trade	Office rent, Savannah, Ga., Jan. 1 to Mar. 31 ..	78.25
10	E. A. Clarke & Co.	Office rent, Tampa, Fla., Jan. 1 to Mar. 31 ..	77.82
11	F. C. Schneider	Repairing clock	3.50
11	Chicago, Milwaukee and St. Paul Rwy. Co.	Transportation, C. F. Cross, Jan. 6	12.55
11	E. B. Dunn	Expressage, etc	3.70
11	do	Hauling	1.00
10	Kate E. Reynolds	Services as cleaner, Jan. 1 to Mar. 31	15.00
10	Thos. Robinson	Services for March	25.00
10	City Gaslight Co.	Electric lights, Jan. 1 to Mar. 31	6.00
10	Miles Jackson	Services as cleaner, March	5.00
10	Emma Ling	do	5.00
10	Atlantic Telephone Exchange.	Rent of telephone, Jan. 1 to Mar. 31	17.00
10	E. C. Baird	Marking river gauge, etc	15.00
10	W. T. Mooney	Constructing river gauge	49.00
10	Amasa S. Dyer	Services, Jan. 1 to Mar. 31	30.00
10	M. F. Dunn & Bro.	Binding maps	6.00
10	J. A. Applebaugh	Services, March	36.00
10	J. M. Gallagher	Services, Jan. 1 to Mar. 31	15.00
10	Pay roll, Narragansett Pier (E. I.) substation.	Salaries, Jan. 1 to Mar. 31	60.00
10	First National Bank, Moorhead, Minn.	Office rent, Moorhead, Minn., Jan. 1 to Mar. 31 ..	66.31

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 10	Riley Watson	Office rent, Valentine, Nebr., Jan. 1 to Mar. 31.	\$103.53
10	A. Schneider	Office rent, Fort Buford, N. Dak., Jan. 1 to Mar. 31.	45.00
11	H. H. Ruhne	Office rent, Eureka, Cal., Jan. 1 to Mar. 31.	72.41
11	W. L. R. A. & E. H. Andres	Office rent, Grand Haven, Mich., Jan. 1 to Mar. 31.	59.32
11	S. A. Raymond, agent	Office rent, Cleveland, Ohio, Jan. 1 to Mar. 31.	175.00
11	W. P. Wilson	Services, Jan. 1 to Mar. 31.	150.00
11	Cotton Exchange Building Co.	Office rent, Memphis, Tenn., Jan. 1 to Mar. 31.	120.00
11	M. E. Conway	Office rent, Narragansett Pier, R. I., Jan. 1 to Mar. 31.	37.74
11	James Baker	Office rent, Springfield, Mo., Jan. 1 to Mar. 31.	68.75
11	John C. Parker	Paper	90.61
11	J. W. Boteler & Son	Pitchers	16.50
11	Pacific Postal Telegraph Cable	Telegraphing, Sept. 1 to Oct. 31.	42.10
11	New York, New Haven and Hudson River R. R. Co.	Freight charges, Feb. 20	2.67
11	Chicago, Milwaukee and St. Paul Rwy. Co.	Freight charges, Sept. 8	32.37
11	Baltimore and Ohio R. R. Co.	Freight charges, Oct. 4	33.54
11	Atchison, Topeka and Santa Fe R. R.	Freight charges, Nov. 9	2.88
12	Chicago, Burlington and Quincy R. R. Co.	Transportation, G. W. Pancoast, Jan. 24.	12.51
12	The Edison Mutual Telegraph Co.	Transmitting messages, February	16.02
12	George E. Franklin	Expenses, Jan. 2 to Mar. 31	3.25
12	J. W. Branan	Services, Jan. 1 to Mar. 31	15.00
11	S. S. Bassler	Repairing river gauge	3.25
12	S. L. Doshier	Expressage	2.00
12	Jennie Pritchett	Services as cleaner, March	3.00
12	William H. H. Smith	Livery hire	4.00
12	William H. Barrett	Repairing United States telegraph line ..	6.00
12	Abin Hull	do	6.00
12	Thos. Cleary	Services as cleaner, Jan. 1 to Mar. 31	9.00
12	A. H. Webb	Services, Jan. 1 to Mar. 31	24.00
12	Pay roll, Harrisburg, Pa., substation.	Salaries, Jan. 1 to Mar. 31	105.00
12	Pay roll, Cairo, Ill., substation.	do	305.60
12	Pay roll, Shreveport, La., substation.	do	100.25
12	James Downey	Services as cleaner, March	3.00
12	Hudson River Telegraph Co.	Transmitting messages, Jan. 1 to Mar. 31.	15.00
12	The Central District and Printing Telegraph Co.	do	15.55
12	H. M. Knowles	Livery hire	4.00
12	The Cleveland Telephone Co.	Rent of telephone, Jan. 1 to Mar. 31	18.00
12	Joseph Evins	Services, Jan. 1 to Mar. 31	22.50
12	The Erie Telegraph and Telephone Co.	Telephone service, Jan. 1 to Mar. 31	12.00
12	James Higgins	Services as cleaner, Jan. 1 to Mar. 31	15.00
12	Memphis Light and Power Co.	Electric lights, March	6.51
12	S. C. Toof & Co.	Binding maps	6.00
12	Old Colony R. R. Co.	Freight charges, Nov. 15 .....	.44
12	Southern New England Telephone Co.	Telephone service, Jan. 25 to Mar. 31	11.13
12	M. G. Copeland & Co.	Flags	279.00
12	Old Colony R. R. Co.	Transportation, E. L. Bugbee, Feb. 22 ..	9.85
13	J. E. A. Harris	Services, Jan. 1 to Mar. 31	15.75
13	W. H. Renear	Repairing United States Telegraph line ..	16.60
13	Charles Morrow	Services, Mar. 21, 22, 23	3.75
13	George Chambers	do	4.00
13	J. H. King	do	4.00
13	Delaware and Atlantic Telegraph and Telephone Co.	Rent of telephone, Jan. 1 to Mar. 31	12.00
13	Great Southern Telephone and Telegraph Co.	Exchange service, Oct. 1 to Dec. 31	25.00
13	Great Southern Telephone and Telegraph Co.	Telephone service, Jan. 1 to Mar. 31	15.00
13	Philadelphia, Reading and Pottsville Telegraph Co.	Transmitting messages, March	6.42
13	M. Cotter	Livery hire, Jan. 1 to Mar. 31	31.25
13	Edward Drinkwater	Labor and material	73.00
13	do	Services, Mar. 16, 17, 18	7.50
13	Telephone and Telegraph Construction Co.	Telephone service, Jan. 1 to Mar. 31	10.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 13	Pay roll, Mobile, Ala., substation.	Salaries, Jan. 1 to Mar. 31	\$81.00
13	Richard Titus	Services as cleaner, March	4.00
13	Pay roll, Charleston, S. C., substation.	Salaries, Jan. 1 to Mar. 31	195.00
13	Pay roll, St. Paul, Minn., substation.	do	45.00
13	Pay roll, New Orleans, La., substation.	do	172.50
13	Pay roll, Chattanooga, Tenn., substation.	do	207.90
13	Pay roll, Memphis, Tenn., substation.	do	94.50
13	Louis Dorman	Services as janitor, Jan. 1 to Mar. 31	4.50
13	J. C. Morrell	Services, March	20.00
13	C. E. Reed	Desk room, Jan. 1 to Mar. 31	6.00
13	E. L. Douglas	Traveling expenses, February and March	8.75
13	Staples & Pelan	Office rent, Dubuque, Iowa, Jan. 1 to Mar. 31	157.12
13	John L. Mitchell	Office rent, Milwaukee, Wis., Jan. 1 to Mar. 31	163.75
13	Weakley & Shields, agents Vanderbilt University.	Office rent, Nashville, Tenn., Jan. 1 to Mar. 31	112.50
13	Hanna S. Simmons	Office rent, Red Wing, Minn., Jan. 1 to Mar. 31	70.00
13	L. N. Jesunofsky	Traveling expenses, April 5	3.95
13	E. E. Howes	Repairing United States Telegraph line	4.50
13	Norfolk and Washington (D. C.) Steamboat Co.	Transportation. E. L. Bugbee, Feb. 28	7.50
13	Andrew B. Graham	Engraving	20.00
13	Pennsylvania Co.	Transportation, H. C. Frankenfield, Dec. 27	17.50
13	Northern Pacific R. R. Co.	Transportation, B. S. Pague <i>et al.</i> , Feb. 4	14.00
14	Tidewater Telephone Co.	Transmitting messages, Oct. 1 to Nov. 30	4.20
14	McFadden Co.	Hardware, etc.	170.25
14	Pacific Club	Office rent, Nantucket, Mass., Jan. 1 to Mar. 31	72.50
14	W. M. Edmondson	Repairs to rain gauge	3.65
14	Campbell & Gregg	Towel supply, Jan. 1 to Mar. 31	3.00
14	Stark Bros. Co.	Smyrna rugs	7.50
14	James Evans	Services as cleaner, Jan. 1 to Mar. 31	9.00
14	O. H. Willis	Furnishing water, Jan. 1 to Mar. 31	12.00
14	Samuel de Corse	Services as cleaner, March	3.75
14	Robert Sherrard	do	3.00
14	T. B. Catron	Office rent, Santa Fe, N. Mex., March	35.00
14	Vernon H. Harris	Office rent, Micco, Fla., Jan. 1 to Mar. 31	16.25
14	J. B. Grady	Office rent, Eastport, Me., Jan. 1 to Mar. 31	105.94
14	Albert Marty	Office rent, Kansas City, Kans., Jan. 1 to Mar. 31	169.49
14	Daniel Hoesli	Washing towels, Jan. 1 to Mar. 31	5.25
14	Willie Judkins	Services as cleaner, Jan. 1 to Mar. 31	9.75
14	Lorenzo Silva	Services as cleaner, March	5.00
14	Pascual Moreno	Services as cleaner, Jan. 1 to Mar. 31	6.00
14	L. T. Phillips	Repairing river gauge	5.00
14	J. M. Sherier	Traveling expenses, Apr. 3	2.00
14	Anna L. Bean	Services, Jan. 1 to Mar. 31	9.00
14	Jno. M. Klein	Crating	8.75
14	Missouri and Kansas Telephone Co.	Telephone service, Jan. 1 to Mar. 31	12.00
14	Delaware, Lackawanna and Western R. R. Co.	Freight charges, Oct. 15	5.07
14	Narragansett Pier R. R. Co.	Freight charges, Nov. 18	.82
14	Norfolk and Southern R. R. Co.	Freight charges, Nov. 23	.50
14	Nashville, Chattanooga and St. Louis Rwy. Co.	Freight charges, Nov. 9	6.58
14	Nebraska Telephone Co.	Rent of telephone, Jan. 1 to Mar. 31	15.00
14	James McKean	Labor and material	15.00
14	Missouri and Kansas Telephone Co.	Telephone service, Jan. 1 to Mar. 31	18.00
14	F. L. Jackson, agent	Office rent, Yankton, S. Dak., Jan. 1 to Mar. 31	74.25
14	Sunset Telephone and Telegraph Co.	Rent of telephone, Jan. 1 to Mar. 31	12.00
14	Great Southern Telephone and Telegraph Co.	Rent of telephone, Jan. 1 to Mar. 31	15.00
14	George S. Waite	Office rent, Key West, Fla., Jan. 1 to Mar. 31	103.86
14	Pay roll, Vicksburg, Miss., substation.	Salaries, Jan. 1 to Mar. 31	100.50
14	Pay roll, Raleigh, N. C., substation.	do	117.00
14	R. H. Gegax	Repairing, painting, etc.	10.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 14	L. F. Bassett.....	Establish river gauge.....	\$10.00
14	M. W. Herron.....	Painting gauge etc.....	25.00
14	Masonic Temple Association.....	Office rent, Davenport, Iowa, Jan. 1 to Mar. 31.....	75.00
14	Salt Lake Board of Trade.....	Office rent, Salt Lake City, Utah, Jan. 1 to Mar. 31.....	137.50
14	Amarillo Improvement Co.....	Office rent, Amarillo, Tex., Jan. 1 to Mar. 31.....	66.75
14	B. A. Jeune.....	Office rent, Idaho Falls, Idaho, Jan. 1 to Mar. 31.....	30.00
14	Davidson & Joseph.....	Office rent, Montgomery, Ala., Jan. 1 to Mar. 31.....	56.25
14	J. H. Mills & Co.....	Printing supplies.....	1.50
14	Nordhoff & Knabe.....	Repairing thermograph.....	16.00
18	Buckner Southworth.....	Constructing river gauge.....	45.00
18	Morris Levistein.....	Marking river gauge.....	25.00
18	Chas. M. Stoeve.....	Stationery.....	229.00
18	Jno. M. Klein.....	Cartage, etc.....	3.00
18	J. C. Entwistle.....	Cotton batting.....	20.00
18	Andrew B. Graham.....	Electrotype.....	1.50
18	F. H. Connolly.....	Flour.....	1.85
18	W. T. Blythe.....	Gas, Dec 1 to Mar. 31.....	12.90
18	Goldstein, Rose & Co.....	Coal oil.....	1.10
18	P. Connor.....	Street-car tickets.....	2.70
18	Montgomery Light Co.....	Gas, Jan. 1 to Mar. 31.....	5.20
18	Astoria Gas Light Co.....	do.....	5.04
18	Crete Lumber Co.....	Coal.....	28.75
18	Lee Fisk.....	Services, Jan. 1 to Mar. 31.....	30.00
18	Colorado College.....	Office rent, Colorado Springs, Colo., Jan. 1 to Mar. 31.....	65.25
18	Joseph Lawrence.....	Services, Jan. 1 to Mar. 31.....	21.00
18	John Fitzgerald.....	Traveling expenses, March.....	4.00
18	Tyler Desk Co.....	Table.....	9.00
18	Pythian Land and Building Association.....	Office rent, Astoria, Oregon, Jan. 1 to Mar. 31.....	75.25
18	Lorenzo Littlefield.....	Office rent, Block Island, R. I., Jan. 1 to Mar. 31.....	42.50
18	C. H. Burdick.....	Halyards.....	1.50
18	Stock Growers' National Bank.....	Office rent, Miles City, Mont., Jan. 1 to Mar. 31.....	54.00
18	R. J. Hyatt.....	Hauling.....	1.85
18	L. M. Pindell.....	Binding maps, etc.....	22.47
18	J. G. Niemi.....	Repairing clock.....	1.50
18	Fred. Strauss & Co.....	do.....	1.50
18	J. B. Marbury.....	Hauling, etc.....	7.75
18	Lowman & Hanford S. & P. Co.....	Mucilage and ink.....	3.25
18	G. H. Wilson.....	Drayage, etc.....	1.40
18	J. R. Clinton.....	Services, Feb. 2 and Mar. 9.....	5.25
18	Amanda B. Atter.....	Cleaning river gauge.....	3.00
18	C. E. Haynes.....	Services as cleaner, Jan. 1 to Mar. 31.....	10.00
18	Challis Hayman.....	do.....	7.50
18	Ben. C. Nichols.....	Repairing clock.....	1.50
18	Wisconsin Telephone Co.....	Rent of telephone, Jan. 1 to Mar. 31.....	12.00
18	The Seattle Transfer Co.....	Hauling.....	1.00
18	Lenoir Blowing Rock Telephone Co.....	Transmitting messages, Jan. 1 to Mar. 31.....	9.40
18	Rising Sun Telegraph Line.....	do.....	5.60
18	The Kingston Telegraph Co.....	Telegraphing, March.....	5.00
18	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	do.....	25.93
18	Munfordville Short Line Telegraph.....	Telegraphing, Oct. 1 to Mar. 31.....	6.10
18	Ohio Valley Telephone Co.....	Telegraphing, Jan. 1 to Mar. 31.....	18.00
18	Wisconsin Telephone Co.....	Rent of telephone, Jan. 1 to Mar. 31.....	16.19
18	International Ocean Telegraph Co.....	Transmitting cablegrams, Aug. 1 to Oct. 6.....	12.12
18	Pay roll, Lacrosse, Wis., sub-station.....	Salaries, Jan. 1 to Mar. 31.....	18.00
18	Pay roll, Cincinnati, Ohio, sub-station.....	do.....	413.10
18	Pay roll, Kansas City, Mo., sub-station.....	do.....	27.50
18	Pay roll, Pittsburg, Pa., sub-station.....	do.....	455.10
18	Pay roll, Portland, Oregon, substation.....	do.....	75.00
18	Portland Steam Packet Co.....	Freight charges, Dec. 28.....	1.02
18	Pennsylvania R. R. Co.....	Freight charges, Jan. 31.....	4.10
19	Wilmington and Weldon R. R. Co.....	Transportation, A. J. Davis, Feb. 23.....	41.55
19	Thos. Crawford.....	Traveling expenses, April.....	5.25

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 19	Cumberland Telephone and Telegraph Co.	Transmitting messages, Jan. 1 to Mar. 31.	\$66.40
19	Pay roll, Augusta, Ga., substation.	Salaries, Jan. 1 to Mar. 31.	81.00
19	Pay roll, Montgomery, Ala., substation.	do	250.45
19	Pay roll, Louisville, Ky., substation.	do	27.00
19	Courier-Journal Co.	Office rent, Louisville, Ky., Jan. 1 to Mar. 31	69.00
19	P. F. Lyons	Traveling expenses, April	6.10
19	Ernest Betz	Zinc	4.00
19	J. B. Chamberlain	Chemicals	1.00
20	G. W. White	Labor and material	24.00
20	Pay roll, St. Louis, Mo., substation.	Salaries, Jan. 1 to Mar. 31	287.00
20	Bryant, Luce & McEachin	Office rent, Fort Smith, Ark., Jan. 1 to Mar. 31.	90.41
20	Montana National Bank	Office rent, Helena, Mont., Jan. 1 to Mar. 31.	125.00
20	National Bank of Commerce	Office rent, Pierre, S. Dak., Jan. 1 to Mar. 31	112.00
20	First National Bank	Office rent, Portland, Me., Jan. 1 to Mar. 31.	126.00
20	Adams Express Co.	Expressage, February and March	18.60
21	Telephone and Telegraph Construction Co.	Rent of telephone, Jan. 1 to Mar. 31	12.00
21	Pay roll, Lynchburg, Va., substation.	Salaries Jan. 1 to Mar. 31	45.00
21	Southern Bell Telephone and Telegraph Co.	Rent of telephone, Jan. 1 to Mar. 21	15.00
21	Dickinson Type Foundry	Printers' supplies	2.00
21	L. Duernberger	Office chairs	4.00
21	W. S. Harrison	Telephone service, Jan. 1 to Mar. 31	9.75
21	E. Biondi	Services, Jan. 1 to Mar. 31	30.00
21	J. A. Hatfield	do	30.00
21	K. O. Holmes	ink	.75
21	Lucius M. Sheldon, by Horace M. Stevens, attorney in fact.	Office rent, El Paso, Tex., Jan. 1 to Mar. 31.	84.42
21	Andrew B. Graham	Engraving	16.00
22	Yost Writing Machine Co.	Platen	2.00
22	Pay roll, Corpus Christi, Tex., substation.	Salaries, Jan. 1 to Mar. 31	90.00
22	Pay roll, Fort Smith, Ark., substation	do	27.00
22	William E. Hook, jr	Transportation to Pikes Peak	10.00
22	David James	Services, Jan. 1 to Mar. 31	3.00
22	U. G. Purcell	Hauling	1.25
25	East Tennessee, Virginia and Georgia Rwy. Co.	Transportation, N. B. Conger, Mar. 22	15.20
25	Chicago, Burlington and Northern R. R. Co.	Transportation, J. Fitzgerald, Mar. 2	21.50
25	Frank Perry	Telephoning, Jan. 1 to Mar. 31	14.50
25	New England Telephone and Telegraph Co.	Rent of telephone, Jan. 1 to Mar. 31	12.50
25	Charles Shea	Services, Jan. 1 to Mar. 31	30.00
25	Charles Eneu Johnson & Co.	Printers' ink	28.13
25	D. Lavin	Repairing United States Telegraph line	11.25
25	Arthur McNally	do	17.50
25	D. C. Hibbard	do	16.50
25	Pay roll, Atlanta, Ga., substation.	Salaries, Jan. 1 to Mar. 31	238.28
25	G. B. McCoy	Transmitting messages, March	6.00
25	Chas. A. Kinaman	Services, Jan. 1 to Mar. 31	21.50
25	Galveston Cotton Exchange	Office rent, Galveston, Tex., Jan. 1 to Mar. 31.	78.25
29	Southwestern Telegraph and Telephone Co.	Telephone service, Jan. 1 to Mar. 31	12.00
25	Brush Electric Light and Power Co.	Electric lights, Jan. 1 to Mar. 31	13.75
25	J. H. Bickford	Services, Jan. 1 to Mar. 31	15.00
25	F. Bader	Repairs to wind vane	1.00
25	S. Grayson	Services, Jan. 1 to Mar. 31	22.50
25	Standard Engraving Co.	Engraving	15.00
25	Alexander Pavarim & Son	Rain gauge	84.50
26	G. P. Wilcox	Expenses, February	9.02
26	New England Telephone and Telegraph Co.	Telephone service, Jan. 1 to Mar. 31	12.50
26	Wyoming Midland Telegraph Co.	Transmitting messages, March	13.98
26	Pay roll, Sacramento, Cal., substation.	Salaries, March	18.25
26	G. T. W. Wells	Repairing United States Telegraph line	6.00
26	Thos. Duncan	Services Jan. 1 to Mar. 31	24.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 26	F. J. Hart	Repairing United States Telegraph line	\$2.50
26	Julien P. Friez	Changing anemometers, wrenches	10.00
26	A. F. Warren	Services, Mar. 24	3.50
26	F. M. King	Labor and material	6.00
26	Barney Truckey	Lettering door, etc	3.00
29	Thomaston and Barnesville Telegraph line.	Telegraphing, Feb. 1 to Mar. 31	4.40
29	Chicago, Burlington and Northern R. R.	Telegraphing, March	5.66
29	Clarksburg and Weston Tele- graph.	do	16.60
29	Moosehead Lake Telegraph Co.	Telegraphing, Dec. 1 to Mar. 31	8.50
29	Geo. M. Chappel	Traveling expenses, April	10.10
29	E. A. Brown	do	6.00
29	A. J. Davis	Benzine, etc	1.20
29	Pennsylvania Co.	Transportation, W. L. Moore, Jan. 1	24.50
29	C. L. Simons	Moving instrument shelter	19.75
30	W. J. Naylor <i>et al</i>	Printing pay roll, April	1,968.77
30	Geo. F. Flint <i>et al</i>	Climatology payroll, April	494.48
30	William H. Cardew	Services, Apr. 1 to 15	3.75
May 1	Milton Whitney	Services for April	197.80
1	Hannibal and St. Joseph R. R.	Freight charges, Sept. 17	2.46
1	do	Freight charges, Nov. 9	2.23
1	Toledo, Ann Arbor and North- ern Michigan Rwy. Co.	Transportation, C. F. Marvin, Aug. 26	14.90
1	The Southern Belt Telephone and Telegraph Co.	Telegraphing, Jan. 1 to Mar. 31	15.00
1	Pay roll, Nashville, Tenn., sub- station.	Salaries, Jan. 1 to Mar. 31	63.00
1	Easton & Rupp	Envelopes	14.25
1	Andrew B. Graham	Engraving	30.00
1	F. A. Schneider	Hoop iron	4.44
1	E. L. Bugbee	Traveling expenses, April	27.75
2	Chas. Cooper & Co.	Ammonia	5.50
2	Henry J. Green	Thermometers	1,325.00
2	J. H. Fall & Co.	Lead	3.80
2	Schneider Bros.	Repairing anemometers	300.00
2	C. T. Fardwell	Gas-tubing	1.50
2	W. S. Gosnell	Services as cleaner, April	5.00
2	do	Repairing elevator, etc	1.25
2	John Gordon	Oil	3.00
2	Smith & Swainson	Rent of desk room, Cleveland, Ohio, Jan. 1 to Apr. 30.	40.00
2	John M. Temple	Oil can	1.60
2	Pacific Carpet Co	Carpet	25.00
2	Charles Gregor	Services as cleaner, April	5.00
2	W. M. Case	Services, April	40.00
2	Geo. Ryneal, jr	Box of glass	7.05
4	New York Central and Hudson River R. R. Co.	Freight charges, Feb. 20	2.49
4	do	Freight charges, Jan. 31	1.24
4	New England Telephone and Telegraph Co.	Telegraphing, March	1.80
4	The Pittsboro Telegraph Line	Telegraphing, Jan. 1 to Mar. 31	9.10
4	The Edison Mutual Telegraph Co.	Telegraphing, March	16.35
4	The Great Northwestern Tele- graph Co.	do	126.20
4	Lake Shore and Michigan Southern Rwy. Co.	Transportation E. A. Brown, Dec. 10	4.50
4	do	Transportation, H. R. Patrick, Mar. 23	20.87
4	Michigan Central R. R. Co.	Transportation, H. C. Frankenfield, Mar. 11	5.75
4	Boston and Maine R. R.	Transportation, J. W. Smith, Apr. 17	6.75
4	New York, New Haven and Hartford R. R. Co.	Transportation, J. W. Smith, Jan. 13	5.00
4	Megeath Stationary Co.	Caligraph stand	3.75
4	G. N. Wilson	Traveling expenses, April	8.50
4	R. F. Young	do	3.50
4	T. L. Bridges	do	5.00
4	A. Foster & Son	Cleaning carpet	2.50
4	James B. Malone	Services, Nov. 1 to Mar. 31	5.60
5	Chas. Cooper & Co.	Ammonia	6.00
5	Fred. Z. Gosewisch	Traveling expenses, etc	1.30
5	Enterprise Telegraph Co.	Telegraphing, Jan. 1 to Mar. 31	6.50
5	New York, Philadelphia and Norfolk R. R. Co.	Transportation, E. L. Bugbee, Mar. 1	2.00
5	W. R. Smellie	Binding maps	8.00
5	Joseph Chilberg	Office rent, Olympia, Wash., April	26.50
5	Jennie Pritchett	Services as cleaner, April	3.00
5	F. P. Nash	Instrument shelters, etc	240.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
May 5	Pay roll, Washington, D. C., substation.	Salaries, Jan. 1 to Mar. 31	\$49.50
11	Northern Pacific R. R. Co	Transportation, S. G. Duffey, Mar. 8	18.48
11	The Bell Telephone Co., of Missouri.	Telephone service, Jan. 1 to Mar. 31	16.25
11	J. N. Applebaugh	Services, April	36.00
11	W. S. Barnes	Labor and material	408.50
11	C. H. Burdick	do	2.99
11	H. C. Bate	Traveling expenses, April	28.65
11	Iowa Printing Co.	Binding maps	4.00
11	Neal D. Winslow	Benzine	1.25
11	George E. Mooers & Co	Office desk	25.00
11	Henry Seymour, agent for Merritt Wrecking Organization.	Hire of steamer	600.00
11	A. W. Swan	Repairing flagstaff	5.00
11	Flint and Pere Marquette R. R. Co.	Transportation, N. B. Conger, Apr. 17	6.71
11	American Mining and Milling Co.	Sand	12.75
11	D. B. Cotton	Copying records	15.00
11	Philadelphia, Reading and Pottsville Telegraph Co.	Transmitting messages in April	6.89
11	Chesapeake and Ohio R. R. Co.	Transporting H. C. Frankinfield, Mar. 6	17.00
11	S. L. Brooks	Painting river gauge	1.00
11	James Ruane	Lettering map, frames, etc.	29.89
11	The Missouri Pacific Rwy. Co.	Transporting F. H. Clarke, Mar. 17	2.35
11	Toilet Supply Co	Washing towels, April	1.50
11	James Downey	Services as cleaner in April	3.00
11	Detroit, Bay City and Alpena R. R. Co.	Transporting N. B. Conger, Apr. 19	3.15
11	A. B. Crane	Drayage, etc.	1.50
11	Frank Farish	Services, Apr. 26 to 29	12.80
11	Miles Jackson	Services as cleaner, April	5.00
11	Courier-Journal Co	Office rent, Louisville, Ky., April	23.00
11	Valentine Montoya	Services as cleaner, April	5.00
11	Memphis Light and Power Co.	Electric current, April	5.77
11	Robert Sherrard	Services as cleaner, April	3.00
11	B. A. Jeune	Office rent, Idaho Falls, Idaho, April	30.00
11	Pay roll Davenport, Iowa, substation.	Salaries, Jan. 1 to Mar. 31	37.02
11	J. H. Barnard	Hauling .....	.75
11	Emma Ling	Services as cleaner, April	5.00
11	E. A. Brown	Traveling expenses, April	1.75
11	Wm. Ballantyne & Sons	Books	3.90
11	do	Paper	119.85
11	John C. Parker	Manila paper	8.75
11	Western Union Telegraph Co.	Transmitting messages, October	11,832.59
13	Thos. Robinson	Services for April	25.00
13	The Gordon Press Works	Springs for press	1.50
13	Thomas H. Branham	Droplight	5.00
13	P. McCarthy	Headlight oil	2.40
13	I. M. Cline	Expressage	1.50
13	H. J. Cox	Hauling, etc.	4.25
13	Alexander H. Revell & Co	Desk and chair	40.00
13	Abin Hull	Repairing United States Telegraph line	10.00
13	C. M. Sylvia	do	10.00
13	Lawrence Ayers	do	10.00
13	Eli & Newman	Labor and material	15.50
13	The C. L. Smith Mercantile Co.	do	4.50
13	Hy Heuchert	Transmitting messages, Apr. 17 to May 5	5.75
13	Geo. A. Collins	Typewriter stand	5.50
13	Western Union Telegraph Co.	Transmitting messages, November	11,139.89
13	The Smithsonian Institution	Transportation of exchanges	11.80
13	F. A. Schneider	Photographic plates	4.80
13	Andrew Renz	Sharpening knives	3.00
13	Newman & Son	Remodeling caligraph	70.00
17	William E. Hook, jr	Transporting to Pikes Peak	10.00
17	South Florida Telegraph Co.	Transmitting messages, Dec. 8 to Feb. 15	2.41
17	Richard Titus	Services as cleaner, April	4.00
17	Missouri and Kansas Telephone Co.	Rent of telephone, Jan. 1 to Mar. 31	21.00
17	Annie A. McGovern	Office rent, Keeler, Cal., Jan. 1 to Mar. 31	85.91
17	J. C. Merrell	Services, April	20.00
17	John McDonald	Labor and material	14.00
17	International and Great Northern R. R. Co.	Transporting M. Whitehead, Feb. 7	35.40
17	do	Transporting J. M. Sherier, Mar. 12	2.70
7	Geo. C. Hunt	Traveling expenses, Mar. 20	2.65

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
May 17	Duluth, South Shore and Atlantic Rwy. Co.	Transporting P. McDonough, Mar. 28	\$19.22
17	St. Paul and Duluth R. R. Co.	Transporting T. F. Townsend, Sept. 12	4.30
17	H. C. Frankinfield	Expenses, May	3.50
17	Pennsylvania R. R. Co.	Transporting N. B. Conger <i>et al.</i> , Mar. 29	71.63
17	Boston and Albany R. R. Co.	Transporting T. L. Bridges, Apr. 22	22.00
17	Chicago, Burlington and Quincy R. R. Co.	Freight charges, Jan. 7 .....	.92
17	M. F. Dunn & Bro.	Binding Weather Journal	1.25
17	Illinois Central R. R. Co.	Transporting H. C. Bate, Apr. 12	4.90
17	Norfolk and Washington (D.C.) Steamboat Co.	Transporting E. L. Bubee, Apr. 3	6.00
19	N. B. Conger	Traveling expenses, April and May	93.10
19	Norfolk and Washington (D.C.) Steamboat Co.	Freight charges, Jan. 21 .....	.26
19	A. B. Crane	Table	2.50
19	Wyoming Midland Telegraph Co.	Transmitting messages, April	13.40
19	J. W. Braid	Repairing cable	4.00
19	Pennsylvania Co.	Transporting H. J. Penrod, Mar. 3	11.00
19	Eli Abbott	Services, April	7.50
23	New York Central and Hudson River R. R. Co.	Transporting N. B. Conger <i>et al.</i> , Mar. 31	17.80
23	Grand Trunk Rwy. Co.	Transporting N. B. Conger, Apr. 14	1.46
23	G. B. McCoy	Telegraphing, April	6.00
23	Louisville and Nashville R. R. Co.	Transporting T. Crawford, Mar. 29	16.66
23	Geo. E. Hunt	Washing towels, etc.	1.60
23	Central Vermont R. R. Co.	Transporting J. W. Smith, Apr. 18	6.20
23	Geo. Meier & Co.	Clerk	14.50
23	J. A. Miller	Paint, etc.	8.00
23	J. G. Wagner	Repairing wind vane	18.00
23	Standard Furniture Co.	Table, chairs, etc.	81.50
23	Julien P. Friez	Brass supports	75.00
23	Arthur F. Warren	Services, April	8.75
23	L. E. Stone	Horse hire	2.00
23	T. D. Lockwood	Labor and material	12.00
23	Geo. Paquette	Resetting flagstaff	7.00
23	Holmes & Co.	Rubber tubing	4.00
23	Forsburg & Murray	Wind vanes, etc.	130.75
23	Francis Miller	Panes of glass	3.90
23	Western Union Telegraph Co.	Transmitting messages, December	10,515.30
25	Thomaston and Barnes Telegraph line.	Transmitting messages, April	1.70
25	The Edison Mutual Telegraph Co.	do.	15.72
25	Clarksburg and Western Telegraph Co.	do.	13.40
25	Chicago and West Michigan Rwy.	Transporting N. B. Conger, May 6	3.50
25	Boston and Maine R. R. Co.	Transporting A. McAdie <i>et al.</i> , July 12	2.90
25	Levy, Dreyfus & Co.	Barometers, etc.	33.50
25	I. M. Cline	Reefing halyards	3.00
25	D. C. Hibbard	Repairing United States Telegraph line	10.00
25	A. Nelson	do.	1.25
25	Arthur McNally	do.	10.00
25	Robert S. Smith	do.	5.00
25	Adams Express Co.	Expressage	74.09
25	John M. Williams	Hauling	6.29
26	J. H. Harmon	Office expenses, March and April	14.35
26	Chas. W. Pate	Recorder of river meter	11.00
26	John Thorn	Hauling	2.00
26	Mills, Randall & Co.	Labor and material	58.00
26	South Hardware Co., limited	Handsaw	1.00
26	A. Salzman	Repairing clock	1.00
26	Chas. Neunham	Painting river gauge	15.00
26	David Jones	Window shade, etc.	38.33
26	W. J. Tate	Kerosene oil .....	.80
26	T. C. Torrison	Repairing flagstaff	6.00
26	J. C. Entwistle	Rags	8.00
26	M. G. Copeland & Co.	Signal flags	765.50
31	Frank Farrish	Services, May	86.40
31	W. J. Naylor <i>et al.</i>	Printing roll, May	2,038.52
31	Robert L. Packard <i>et al.</i>	Climatology roll, May	374.80
June 1	Milton Whitney	Services, May	204.40
1	J. B. Marbury	Measuring river current	22.75
1	W. M. Wilson	Repairs to rain gauges	3.75
1	Benj. R. Stuart	Laborer, etc.	3.75
1	James H. Marlette	Hauling, etc.	1.50

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
June 1	W. M. Case	Services, May	\$40.00
1	Marietta Abbey	Bulletin frames	299.70
1	F. F. Voight	Bulletin frames, etc	26.00
1	Acme Box Co.	Box	2.50
1	Andrew B. Graham	Engraving	5.00
1	J. D. Free, jr	Milliograph frames	51.60
1	New England Telephone and Telegraph Co.	Telegraphing, April	1.60
1	Minnesota, St. Paul and Sault Ste. Marie R. R. Co.	do	27.33
1	Jacksonville and St. John's Bar Telegraph Co.	Telegraphing, Sept. 9 to Apr. 20, 1893.	22.74
1	Chicago and Alton R. R. Co.	Transporting H. R. Boynton, Jan. 14.	7.50
1	Chicago, Burlington and Northern R. R. Co.	Telegraphing, April	8.86
1	Ohio and Mississippi Rwy. Co.	Freight charges, Feb. 20	23.89
1	Cyrus Ellenberger	Traveling expenses, April	3.00
1	Joseph E. Hopper	Services, May 8 to 19	12.00
1	D. W. Owen	Services, Jan. 21 to Mar. 31	7.26
1	Jos. B. Mameal & Co.	Coal oil	1.30
1	J. M. Allmendinger	Repairs to flagstaff	45.00
1	Illinois Central R. R. Co.	Freight charges Oct. 26	2.85
1	L. M. Pindell	Labor, etc	30.70
1	J. H. Bunnell & Co.	Hydrometers	38.00
1	Isaac Friedenwald	Map forms	2.00
1	do	do	124.25
1	Henry J. Green	Barometer tubes	40.00
1	S. W. Case	Painting	10.00
1	Standard Engraving Co.	Engraving plates	3.50
1	M. J. Adler	Rubber hose	.90
1	Royce & Marean	Electrical supplies	9.80
2	Chicago, Burlington and Quincy R. R. Co.	Transporting J. W. Byram <i>et al.</i> , Feb. 25	35.74
2	Cincinnati, New Orleans and Texas Pacific Rwy. Co.	Transporting H. C. Bate, Apr. 25	13.35
2	Michigan Central R. R. Co.	Transporting N. B. Conger, Apr. 19	15.35
2	Baltimore and Ohio R. R. Co.	Transporting N. B. Conger, Mar. 11	15.20
2	W. S. Gasnell	Services, May	5.00
2	C. F. Gregor	Services as cleaner, May	5.00
2	J. H. Mills & Co.	Printing supplies	23.50
2	Z. D. Gilman	Sponges	3.00
2	C. B. Fenton & Co.	Milliograph rollers, etc	29.40
3	U. G. Myers	Hauling	2.00
3	U. G. Purssell	do	1.90
3	W. E. Butler	do	.70
3	Indian River Steamboat Co.	Freight charges, Nov. 4	2.04
3	Duluth, South Shore and At- lantic Rwy. Co.	Freight charges, July 22	5.58
3	Michigan Central R. R. Co.	Freight charges, Nov. 4	6.86
3	Baltimore and Ohio R. R. Co.	Freight charges, Jan. 31	14.44
3	Baltimore and Ohio North- western R. R.	Freight charges, Feb. 20	3.63
3	East Tennessee, Virginia and Georgia Rwy. Co.	Freight charges, Apr. 18	3.39
3	Hannibal and St. Joseph R. R.	Freight charges, Nov. 9	8.39
3	St. Joseph and Council Bluffs R. R. Co.	Freight charges, Nov. 28	1.08
3	Chicago, Milwaukee and St. Paul Rwy. Co.	Freight charges, Sept. 10	6.43
3	do	Freight charges, Dec. 23	3.01
3	do	Freight charges, Oct. 24	2.31
3	Hugh Reilly	Benzine	.60
3	Norfolk and Washington (D. C.) Steamboat Co.	Freight charges, Apr. 25	18.29
6	O. C. Hicks	Labor and material	2.50
6	Wm. McConnell & Co.	Matting	3.17
6	Wm. T. Devlan & Co.	Cash box	3.50
6	Kansas City, Memphis and Bir- mingham R. R. Co.	Freight charges, Oct. 3	5.78
6	Jennie Pritchett	Services as cleaner, May	3.00
6	T. R. Ryan	Traveling expenses, May	11.00
6	Chicago and Northwestern Rwy. Co.	Transporting P. F. Lyons, Apr. 7	21.00
6	Joseph Chilberg	Office rent, Olympia, Wash., May	26.50
6	Wm. H. H. Smith	Repairing United States Telephone line	22.00
6	William Buckley	Laying cable	20.00
6	P. Robinson	Repairing United States Telephone line	10.50
6	Richard Titus	Services as cleaner, May	4.00
6	Miles Jackson	do	5.00
6	Hickler Bros	Labor and material	5.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893. June 6	J. N. Applebaugh.....	Services, May.....	\$36.00
6	Edw. McSoroley.....	Cleaning of office.....	35.00
6	John Edwards.....	Services as cleaner, May.....	3.00
6	Pear Laundry Co. (limited).....	Washing flags, etc.....	3.00
6	Sam C. Wescott.....	Mucilage and ink.....	2.80
8	R. M. Abel.....	Labor and material.....	3.00
8	The Great Northwestern Tele- graph Co.....	Telegraphing, April.....	125.18
8	Thos. Robinson.....	Services, May.....	25.00
8	G. M. Allison & Co.....	Repairs to typewriter.....	1.00
8	Geo. Meier & Co.....	Transfer paper.....	6.00
8	Newport News and Mississippi Co.....	Freight charges, Feb. 20.....	5.85
8	Richmond and Danville R.R. Co.....	Transporting J. H. Harman, Mar. 7.....	54.15
8	A. V. Hall.....	Transportation.....	10.00
8	J. W. Westcott.....	Reeving halyards.....	5.00
8	N. B. Conger.....	Traveling expenses, May.....	5.10
8	James Downey.....	Services as cleaner, May.....	3.00
8	Emma Ling.....	do.....	5.00
8	W. Russell.....	Replacing halyards.....	1.50
8	J. C. Morrell.....	Services, May.....	20.00
8	Peter Duryee & Co.....	Water cooler.....	4.50
8	Valentine Montoya.....	Services as cleaner, May.....	5.00
8	P. Connor.....	Street-car tickets, Apr. 1 to May 31.....	5.00
8	Standard Engraving Co.....	Engraving.....	4.00
8	Thos. J. Luttrell.....	Millinette.....	1.35
10	Lowman & Hanford.....	Perforated silk.....	2.00
10	G. E. Moody & Co.....	Moving office furniture.....	110.00
10	Robert Sherrard.....	Services as cleaner, May.....	3.00
12	S. S. Bossler.....	River gauging.....	45.95
12	do.....	Measuring river current.....	18.50
12	Joseph E. Hopper.....	do.....	6.00
12	Pay-roll, Sacramento, Cal.....	Substation salaries, April.....	37.50
12	Wm. Crossmyer.....	Repairing barometer case.....	.50
12	H. B. Cartwright.....	Broom oil.....	1.00
12	Henry J. Green.....	Repairing thermometers.....	112.85
12	Charles Enew Johnson & Co.....	Printers' ink.....	7.50
12	L. M. Pindell.....	River gauging.....	18.56
12	Toilet Supply Co.....	Washing towels, May.....	1.50
12	J. Vanderhook.....	Chair.....	5.00
12	Geo. Kyneal, jr.....	Students' lamps, etc.....	16.86
13	Northern Pacific R. R. Co.....	Transporting E. L. Douglas, Feb. 28.....	13.45
13	Philadelphia Reading and Pottsville Telegraph Co.....	Telegraphing, Jan.....	4.20
13	Indian River Steamboat Co.....	Freight charges, May 7.....	3.82
13	Pennsylvania R. R. Co.....	Freight charges, Apr. 18.....	4.69
13	Hannibal and St. Joseph R. R. Co.....	Freight charges, Dec. 14.....	.82
13	Illinois Central R. R. Co.....	Transporting W. M. Fulton, Feb. 13.....	6.00
13	G. L. Turner.....	Drayage.....	1.50
13	J. Rosenbaum.....	Table.....	5.00
13	D. P. McCallum.....	Traveling expenses, May.....	1.75
13	Memphis Light and Power Co.....	Electric current, May.....	6.68
13	Maurice Joyce.....	Logotypes.....	9.00
14	Ohio and Mississippi Rwy.....	Freight charges, Mar. 29.....	3.19
14	Nashville, Chatanooga and St. Louis Rwy.....	Transporting H. C. Bate, Apr. 10.....	6.10
14	Michigan Central R. R. Co.....	Freight charges, Dec. 20.....	6.50
14	E. A. Hannar.....	Hauling.....	1.00
14	Broderick & Bascom Rope Co.....	Wire cord.....	1.65
14	J. R. Sanborn & Son.....	Office chair.....	6.00
14	Edward J. Aston.....	Water cooler.....	5.00
14	Julien P. Friez.....	Electric supplies.....	75.00
14	G. B. McCoy.....	Telegraphing, May.....	6.00
14	Geo. S. Willis.....	Services, Apr. 1 to May 31.....	6.10
14	A. J. Weldener.....	Lamp chimneys, etc.....	2.45
16	John M. Klein.....	Labor and material.....	18.15
16	W. J. Schultz & Co.....	Repairing derrick.....	7.50
16	C. F. Marvin.....	Repairing typewriter.....	1.50
16	New England Telegraph and Telephone Co.....	Telegraphing, May.....	1.70
16	R. H. Smith Manufacturing Co.....	Metal type.....	19.20
16	Geo. Meiler & Co.....	Printers' ink.....	67.00
16	Louisville and Nashville R. R. Co.....	Transporting H. C. Bate, Apr. 28.....	7.25
16	Baltimore and Ohio R. R. Co.....	Transporting N. B. Conger, Apr. 4.....	11.00
16	C. S. Clinton.....	Cleaning clock.....	1.50
16	Geo. M. Chappel.....	Hauling.....	1.75
16	B. A. Jenne.....	Office rent, Idaho Falls, Idaho, May.....	30.00
16	E. A. Brown.....	Traveling expenses, June.....	3.00
16	John C. Parker.....	Varnish.....	16.50

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
June 16	J. H. Mills & Co.	Printers' supplies	\$14.00
16	Western Union Telegraph Co.	Telegraphing, January	11,425.71
19	Minnesota, St. Paul and Sault Ste. Marie Rwy.	Telegraphing, May	13.55
19	A. E. Hackett	Drayage	1.30
19	Chas. M. Streves	Stationery	232.50
19	Cincinnati, New Orleans and Texas Pacific Rwy. Co.	Transporting D. P. McCallum, May	4.20
19	J. W. Smith	Traveling expenses, April	163.59
19	Frank A. Lawyer	Mucilage, benzine, etc.	2.60
19	W. P. Wallace	Stationery	2.95
19	W. C. Stark	Stove, etc.	7.90
19	W. A. Pate	Printing supplies	2.00
19	J. C. Entwistle	Engraving	5.00
21	Duluth, South Shore and Atlantic Rwy. Co.	Transporting N. B. Conger, Apr. 4	10.94
21	Philadelphia and Reading R. R. Co.	Transporting J. W. Smith, May 16	3.25
21	The Detroit and Cleveland Steam Navigation Co.	Transporting N. B. Conger, May 31	3.75
21	Pennsylvania R. R. Co.	Transporting J. W. Smith, May 2	10.75
21	Chicago and West Michigan Rwy. Co.	Transporting N. B. Conger, May 8	5.05
21	Clarksburg and Weston Telegraph Co.	Telegraphing, May	10.40
21	J. H. Bunnell & Co.	Connectors	6.00
21	Missouri Pacific Rwy. Co.	Transporting H. C. Bate, Apr. 18	6.75
21	L. N. Heil	Office rent, Montrose, Colo., Apr. 1 to May 31	65.33
21	W. T. Galliher & Bro.	Lumber	86.40
21	Royce & Marean	Electrical supplies	88.75
23	The Seattle Transfer Co.	Drayage	3.50
23	J. D. Linden	Repairing United States telephone	8.00
23	A. T. Warren	do	5.00
23	John Faha	do	12.50
23	John C. Parker	Typewriter supplies	1.50
23	do	Envelopes	112.84
23	Paul Daniels	Traveling expenses, May	11.90
23	Roger Manifold and Carbon Paper Co.	Agate style	3.75
23	Horace A. Tilton	Moving instrument	2.00
23	Tyer Rubber Co.	Rubber tubing	10.17
23	Eugene A. Schwarz	Hauling, etc.	1.50
23	Lookout Ice and Cold Storage Co.	Ice for May	6.20
23	W. C. Shelton	Storage	2.00
23	D. C. Hibbard	Repairing United States telegraph line	6.50
23	Arthur McNally	do	7.50
23	Wyoming Midland Telegraph Co.	Telegraphing, May	13.98
23	Brown Printing Co.	Binding weather maps	2.50
23	Arkansas Carpet and Furniture Co.	Desk and chair	30.00
23	Wendt & Rausch	Binding weather maps	6.00
23	Edward Butcher	Moving wind vane	2.00
23	William Norrington	Freightage .....	.50
23	J. M. Cline	Drayage, etc.	1.25
23	Morrison & Thorne	Repairs to water cooler	3.25
23	Knickerbocker Ice Co.	Ice, Feb. 1 to June 30	7.24
23	Standard Engraving Co.	Electrotyping	1.25
23	Newman & Son	Cyclostyle punches	24.25
30	W. J. Naylor <i>et al.</i>	Printing office roll, June	1,913.54
30	Robt. L. Packard <i>et al.</i>	Climatology roll, June	362.60
30	Frank Farish	Services for June	83.20
	Total, fourth quarter		83,266.25
	<i>Supplemental.</i>		
July 1	Milton Whitney	Services for June	197.80
3	William E. Hook, jr	Transportation, Pikes Peak	20.00
3	Detroit, Lansing and Northern R. R. Co.	Transporting N. B. Conger, May 10	6.90
3	E. H. Bowie	Traveling expenses, May	7.75
3	Wm. Keane	Labor and material	5.05
3	Chicago, Burlington, and Northern R. R. Co.	Telegraph service, May	2.16
3	Chicago, Burlington and Quincy R. R. Co.	Freight charges, February	8.70
3	P. J. Bolton	Removing office, etc.	27.25
3	Henry J. Greene	Thermometers	17.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893, July 3	Lamier & Peebles Furniture Co.	Packing for shipment	\$6.25
3	Glineburg & Johnson	Labor and material	15.00
3	Old Colony R. R. Co.	Transporting J. W. Smith, May 29	2.05
3	Chas. M. Stoevers	Stationery	124.30
3	A. J. Keyser	Packing for shipment	5.00
3	M. Murray	Hire of team	15.00
3	Joe Coley	Repairing United States telegraph line	4.50
3	W. A. Shaw	Express charges	4.05
3	J. G. Upthegrove	Services, May 1 to June 30	20.00
3	F. W. Dennison	do	20.00
3	Duluth Telephone Co.	Telephone service, Apr. 1 to June 30	15.00
3	The Bell Telephone of Buffalo.	Rent of telephone, Apr. 1 to June 30	17.50
3	The Empire State Telephone and Telegraph Co.	Telephone service, Apr. 1 to June 30	28.50
3	Pacific Telephone and Telegraph Co.	do	22.50
3	Black Hills Telegraph and Telephone Co.	do	21.00
3	C. L. Crocker	Services, Apr. 1 to June 30	15.00
3	Pascual Moreno	do	6.00
3	A. F. Kinzler	Washing towels, Apr. 1 to June 30	5.50
3	Union Ice Co.	Ice, Apr. 1 to June 30	6.80
3	The Bell Telephone Co. of Philadelphia.	Telephone service, Apr. 1 to June 30	30.00
3	Wm. A. Johnson	Services, Apr. 1 to June 30	30.00
3	Edward W. Goffin	Service as cleaner, Apr. 1 to June 30	9.00
3	John A. Barker	do	9.00
3	New England Telephone and Telegraph Co.	Rent of telephone, Apr. 1 to June 30	12.50
3	Charles A. Kimball	Services, Apr. 15 to June 30	12.50
3	J. W. Thompson	Rent of telephone, Apr. 1 to June 30	15.00
3	Sunset Telephone and Telegraph Co.	do	15.00
5	Pat. Calhoun	Services as cleaner, May 1 to June 30	8.00
5	Edison Mutual Telegraph Co.	Telegraphing in May	15.62
5	W. W. Neifert	Repairing stove, etc .....	.75
5	Hockenjos & Co.	Replaing river gauge	4.50
5	W. A. Joyce	Repairing river gauge .....	.50
5	George T. Todd	Drayage .....	.75
5	W. S. Gosnell	Services as cleaner, June	5.00
5	C. A. Beals	Drayage	1.50
5	W. M. Case	Services for June	40.00
5	Pay roll, Oswego, N. Y.	Substation salaries, Apr. 1 to June 30	81.00
5	Pay roll, Woods Holl, Mass.	do	60.00
5	Pay roll, Jacksonville, Fla.	do	35.00
5	H. Brown	Drayage	1.50
5	Great Northwestern Telegraph Co.	Telegraphing, May	112.36
5	Chicago, St. Paul and Minneapolis and Omaha Rwy. Co.	Transporting E. A. Brown, Apr. 14	19.25
5	Kohler Manufacturing Co.	Gum	4.50
5	Baltimore and Ohio R. R. Co.	Freight charges, Dec. 20	55.33
5	C. F. Gregor	Services as cleaner, June	5.00
5	Pennsylvania Telephone Co.	Rent of telephone, Apr. 1 to June 30	21.00
5	The National Printing Co.	Binding maps	5.00
5	The Central District and Printing Telegraph Co.	Telephone service, Apr. 1 to June 30	15.00
5	Texas and Pacific Rwy. Co.	Transporting H. C. Bate, Apr. 20	9.75
5	Western Union Telegraph Co.	Telegraphing, Feb. 1 to 28, etc	10,033.11
7	John K. Ward	Belting	25.20
7	Thos. J. Luttrell	Millinette .....	.90
7	Andrew Reirz	Sharpening knives	3.00
7	J. B. Chamberlain	Chemical supplies	4.95
7	Pay roll New Haven, Conn.	Substation salaries, Apr. 1 to June 30	76.50
7	Pay roll Raleigh, N. C.	do	104.60
7	Pay roll Boston, Mass.	do	432.75
7	Pay roll Davenport, Iowa.	Substation salaries, Oct. 19 to Mar. 31, 1893	19.70
7	John Edwards	Services as cleaner, June	3.00
7	M. H. Miller	Repairs to anemometer clock	1.50
7	George E. Franklin	Hauling	1.45
7	Fred W. Blanchard	Repairing caligraph	2.50
7	W. H. Garlock & Co.	Washing towels, Jan. 1 to June 30	3.96
7	The Cleveland Telephone Co.	Rent of telephone, Apr. 1 to June 30	18.00
7	Lewis R. Day	Hinges for map outfits	1.00
7	Goss Heating and Plumbing Co.	Droplight, etc	4.25
7	F. L. Gifford	Painting, etc	9.50
7	John J. Veeder	Repairing U. S. telephone line	34.00
7	F. J. Kadamacher	Packing furniture	5.00
7	Geo. Hass Hagen	Repairing office clock	2.10

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
July 7	Andrew McMaster	Putting up shelving	\$10. 00
7	Joseph Evins	Erection of river gauge	7. 50
7	New York and Pennsylvania Telephone and Telegraph Co.	Telephone service, Apr. 1 to June 30	6. 00
7	Thomas J. Leaton	Binding maps	3. 00
7	The Arctic Ice Co.	Ice for June	3. 00
7	E. E. Butler	Stand for typewriter	2. 00
7	H. Hyman	Office case	2. 50
7	Kate E. Reynolds	Services as cleaner, Apr. 1 to June 30	15. 00
7	Geo. H. Elson	Repairing clock	2. 00
7	Chas. Otero	Cleaning clock, etc.	2. 00
7	The South New England Telephone Co.	Telephone service, Apr. 1 to June 30	31. 25
7	The E. S. Greeley & Co.	Chemicals	50. 47
7	Chas. M. Stoeveer	Paper	114. 50
7	Emil Greiner	Packing case, etc.	13. 25
7	J. M. Miller	Erecting river gauge	17. 00
8	Julia A. McGowan, admx	Services Apr. 1 to June 7	17. 00
8	Pay roll Charleston, S. C.	Substation salaries, Apr. 1 to June 30	265. 40
22	Chicago and Gt. Western Ry. Co.	Transportation for J. M. Sherier, Mar., 1893	6. 90
22	Nashville, Chattanooga and St. Louis Rwy. Co.	Transporting H. C. Bate, April	4. 50
22	J. P. Slaughter	Drayage, March .....	. 25
22	Robert P. Hoxey	Labor, June	5. 00
22	Thomas Robinson	Services displayman, June	25. 00
22	Erie Telegraph and Telephone Co.	Telephone exchanges, April to June, 1893	12. 00
22	Pay roll Erie, Pa.	Substation salaries, April to June	54. 66
22	Brown Printing Co.	Printing Crop Bulletin, May to June	5. 00
22	Robt. C. Orrell	Livery hire, June 6 to 26	6. 00
22	D. B. Holland	Repairing telegraph line, June	1. 50
22	South Bell Telephone and Telegraph Co.	Rent telephone, Apr. to June 30	15. 00
22	Troy Steam Laundry Co.	Washing towels, Apr. 1 to June 30	2. 00
22	W. W. Morris	Building river guage	30. 00
22	Daniel Horsli	Washing towels, Apr. 1 to June 30	5. 25
22	Woodward & Tierman Printing Co.	Binding books	18. 25
22	Valentine Montoya	Cleaning, June	5. 00
22	E. L. Tyrell	Repairing anemometer	1. 50
22	Arthur A. Day	Services, Apr. 21	1. 90
22	Toilet Supply Co.	Washing towels, June	1. 50
22	Emma Ling	Services, cleaner	5. 00
22	Fred. Fox, jr.	Repairing roof, etc.	108. 75
22	Emmons Bros. Hardware Co.	Oil	1. 44
22	Sentinel Co.	Binding file copies	4. 00
22	Wisconsin Telephone Co.	Rent telephone, Apr. 1 to June 30	25. 00
22	W. N. Van Duzen	Services for June	20. 00
22	Pay roll, St. Louis, Mo.	Substation salaries, April to June	241. 15
22	Pay roll, Harrisburg, Pa.	do	106. 00
22	E. Drinkwater	Repairing telegraph lines, April and June	22. 50
22	Pay roll, St. Paul, Minn.	Substation salaries, April to June	45. 50
22	Pay roll, Lynchburg, Va.	do	45. 00
22	Pay roll, Shreveport, La.	do	93. 50
22	Pay roll, Cairo, Ill.	do	310. 75
22	Pay roll, Nashville, Tenn.	do	63. 70
22	Pay roll, Louisville, Ky.	do	18. 20
22	J. N. Applebaugh	Services for June	36. 00
22	Lake Shore and Michigan Southern Rwy. Co.	Transporting N. B. Conger and J. W. Smith in April	7. 05
26	M. J. Adler	Oil stove .....	. 50
26	B. F. Hough	Drayage, etc., Oct. 26, Dec. 5, 1892; June 1, 1893	1. 95
26	Oregon Telephone and Telegraph Co.	Telephone service, Apr. 1 to June 30	22. 50
26	C. B. Woodward Printing and Book Manufacturing Co.	Binding journals	4. 50
26	Delaware and Atlantic Telegraph and Telephone Co.	Telephone rent, Apr. 1 to June 30	12. 00
26	Jennie Pritchett	Services as cleaner for June	3. 00
26	Miles Jackson	do	5. 00
26	J. C. Danforth	Printing, etc.	30. 00
26	A. H. Welb	Displayman, Apr. 1 to June 30	24. 00
26	Thos. Duncan	do	24. 00
26	P. Conner	Street-car tickets, delivering maps, June	2. 50
26	James Downey	Services as cleaner, June	3. 00
26	Amarillo Improvement Co.	Rent room, June	17. 25
26	Real Estate and Law Building Co.	Rent room, Apr. 1 to June 30	45. 49

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
July 26	Buffalo Board of Trade	Rent room, Apr. 1 to June 30	\$142.06
26	Geo. W. Williams	do	117.93
26	R. S. Williams	do	66.00
26	Staples & Pelan	do	57.12
26	Margaret Parmentier	do	75.00
26	Albert Marty	do	156.13
26	Walker & Hall	do	70.00
26	Robert Sherrard	Office cleaner, June	3.00
26	Iowa Union Telephone Co.	Telephone rent, Apr. 1 to June 30	12.00
26	Richard Titus	Services as cleaner, June	4.00
26	Great Southern Telegraph and Telephone Co.	Exchange service and rent, Apr. 1 to June 30	15.00
26	South Bell Telephone and Telegraph Co.	do	15.00
26	A. J. Robbins	Repairing telegraph line, June 29	2.50
26	U. G. Pursell	Hauling, May 16 to June 6	1.00
26	John Palmer	Services, June 5	1.50
26	Hudson River Telephone Co.	Transmitting messages, Apr. 1 to June 30	15.00
26	O. H. Willis	Furnishing water, Apr. 1 to June 30	9.00
26	Samuel C. Corse	Cleaner, Apr. 1 to June 30	11.25
26	James Evans	do	9.00
26	A. E. Thompson	Services, Apr. 1 to June 30	22.75
26	Willie Junkins	Services as cleaner, Apr. 1 to June 30	9.75
26	Montgomery Light Co.	Gas, Apr. 1 to June 30	4.40
26	Amasa S. Dyer	Services, Apr. 1 to June 30	30.00
26	Paul Devitt	Rent rooms, Apr. 1 to June 30	100.62
26	Amarillo Improvement Co.	Rent rooms, Apr. 1 to May 31	44.50
26	Baer & Block	Rent rooms, Apr. 1 to June 30	87.50
26	Lorenzo Littlefield	do	42.50
26	A. Schneider	do	45.00
26	S. A. Raymond, agent	do	175.00
26	John H. Clune	do	49.50
26	F. E. Warren	do	91.90
26	Chicago Auditorium Association.	do	172.56
26	Charles R. Wheeler	do	125.00
26	Geo. French	do	86.37
26	Masonic Temple Association, Davenport, Iowa.	do	75.00
26	E. F. Hallock	do	150.00
26	C. M. Beeson	do	97.91
26	American Exchange Bank	do	114.47
26	H. H. Buhne	do	72.41
26	Fresno Loan and Savings Bank.	do	100.00
26	W. L. R. A. and E. H. Andres	do	57.53
26	Homer W. Styron	do	38.62
26	Broadwater & Pepin	do	90.00
26	Charles E. Bryant	do	78.25
26	Abbie S. Ingalls	do	83.83
26	R. McLaughlin	do	78.04
26	The Kerney Opera House Co.	do	75.00
26	Matt Borland	do	90.00
26	S. M. Apperson, administrator estate J. R. Miller.	Room rent, Nov. 16, 1892, to June 30, 1893.	250.00
26	Catherine Wilson	Room rent, Apr. 1, to June 30	104.82
26	J. G. Payne, attorney for Law building.	do	67.50
26	Cotton Exchange Building Co.	do	120.00
26	Jno. L. Mitchell, executor	do	163.75
26	B. J. Wolff	Room rent for June	25.00
26	First National Bank, Moorhead, Minn.	Room rent, Apr. 1 to June 30	66.31
26	M. E. Conway	Rent rooms, Apr. 1 to June 30	37.74
26	F. M. Brown & Co.	do	100.00
26	Wallawalla Lodge, No. 56, I. O. O. F.	do	84.87
26	R. S. Dodson	do	131.25
26	H. Overholser	do	101.75
26	Joseph Chilbrey	Room rent for June	26.50
26	First National Bank, Palestine, Tex.	Rent room, Apr. 1 to June 30	78.50
26	National Bank of Commerce	do	112.00
26	Puget Sound Cooperation Colony.	do	59.00
26	Portland Trust Co., of Oregon.	do	150.00
26	Paul Wilson	do	84.00
26	William Crawford	do	30.00
26	Thomas Sweeney	do	100.76
26	Cone & Kimball Co.	do	100.99

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
July 28	S. Marks & Co.	Rent room, Apr. 1 to June 30	\$75.50
28	Savannah Board of Trade	do	78.25
28	W. H. Wood & Co	do	75.00
28	T. B. Catron	do	105.00
28	H. H. Taylor, agent	do	300.00
28	L. G. Nesmith	do	120.00
28	Alamo Fire Insurance Co	do	75.00
28	J. C. De Laney	do	120.00
28	The First National Bank, Sault Ste. Marie, Mich.	do	85.75
28	D. Horton	do	90.00
28	E. H. Jamieson	do	64.20
28	E. A. Clarke & Co.	do	77.82
28	D. S. Hutchinson	do	85.74
28	The Columbian Building Co	do	87.50
28	A. P. Eagleston	do	65.00
28	Paine Bros	do	73.95
28	P. Laveaga Co. treasurer	do	67.00
28	The Sedgwick Building Invest- ment Co.	do	90.75
28	F. L. Jackson, agent	do	74.25
28	J. P. Grady	do	105.94
28	Melina Wilcke	do	56.25
28	James Baker	do	68.75
28	Riley Watson	do	103.53
28	J. D. Bladgden	Traveling expenses, Oct. 17 to 22	4.50
28	Thomaston and Barnesville Tel- egraph Line.	Transmitting messages in May	1.70
28	Central Union Telephone Co.	Rent of telephone, Apr. 1 to June 30	81.00
28	W. W. Dent	Drayage, July 21 to Dec. 2, 1892	1.00
28	M. E. Butler	Drayage, Apr. 29, 1893	1.25
28	Wm. Tohnie	Repairing instrument shelter, June	7.50
28	Pay roll, Wilmington, N. C., sub station.	Salaries, April and June	105.20
28	Great Southern Telegraph and Telephone Co.	Telephone rent, June 1 to Mar. 31	25.00
28	do	Telephone rent, Apr. 1 to June 30	25.00
28	C. Vincent	Making chart box	2.00
28	Southern Bell Telephone and Telegraph Co.	Telephone rent, Apr. 1 to June 30	15.00
28	D. P. McCallum	Traveling expenses, June 23 to 29	2.00
28	East Tennessee Telephone Co.	Transmitting weather reports, Apr. 1 to June 30.	15.00
28	Henry Schleyer	Repairing river gauge, June 26	3.50
28	The City and Suburban Tele- graph Association.	Telephone exchanges, Apr. 1 to June 30	25.00
28	Browning & Holmes	Labor and material, May 16 to June 30	93.50
28	F. P. Smith	Labor, June 5 to 30	9.75
28	H. H. Curley	Hauling, Aug. 5, 1892, to June 24, 1893	1.00
28	Chicago Telephone Co.	Rent of telephone, Apr. 1 to June 30	31.25
28	R. F. Young	Traveling expenses, June 28 and 29	4.25
28	W. L. Moore	Drayage, May 12	.75
28	Campbell & Gregg	Towel supply, Apr. 1 to June 30	3.00
28	Flexner Bros.	Stationery	5.40
28	J. E. Cairns	Express transportation	1.50
28	M. Cotter	Horse and cart, Apr. 1 to June 30	31.25
28	do	Ice for June	3.00
28	G. A. Loveland	Transportation, June 26	2.25
28	Pay roll, Savannah, Ga., sub- station.	Salaries, Apr. 1 to June 30	238.40
28	Kansas City Transfer Co.	Drayage, June 5	2.50
28	Frank R. Bianchi	Services as cleaner, Apr. 1 to June 30	9.00
28	Southern New England Tele- phone Co.	Rent of telephone, Apr. 1 to June 30	15.00
28	E. J. Gifford	Services, May 1 to June 30	15.25
28	Memphis Light and Power Co.	Electric current, Apr. 1 to June 3	5.20
28	James Higgins	Services as cleaner, Apr. 1 to June 30	15.00
28	J. E. A. Harris	do	15.00
28	E. R. Demain	Repairing rain gauge	.50
28	Missouri and Kansas Tele- phone Co.	Telephone exchange, June 30	18.00
28	Standard Furniture Co.	Table	5.00
28	M. Seller & Co. (incorporated)	Water cooler	5.50
28	W. U. Simons	Benzine, etc	1.20
28	S. W. Postell	Printing crop bulletin	39.00
28	Atlanta Telephone Exchange	Rent of telephone, Apr. 1 to June 30	17.00
28	Pay roll, Narr gansett Pier, R. I., substation	Salaries, April, May, and June	60.00
Aug. 3	Thos. Cleary	Services, Apr. 1 to June 30	13.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893. Aug. 3	New England Telephone and Telegraph Co.	Transmitting messages, June	\$1.20
3	E. J. Brooks & Co.	Twine	17.66
3	Anna L. Bean	Services, Apr. 1 to June 30	9.10
3	New England Telephone and Telegraph Co.	Transmitting messages, Jan. 1 to June 30	19.60
3	James Morton & Son Co.	Hardware	1.20
3	Strickland Printing Co.	Printing weather bulletin	3.00
3	The Ohio Valley Telephone Co.	Telephone exchange, Apr. 1 to June 30	21.00
3	J. Pearson	Taking river observation, Apr. 1 to June 30	12.50
3	Sunset Telephone and Telegraph Co.	Rent telephone, Apr. 1 to June 30	12.00
3	J. A. Brown	Storage, Mar. 1 to June 30	8.00
3	J. H. Smith	Repairing rain gauge .....	.40
3	Bohlen Huse Machine and Lake Ice Co.	Ice, May 2 to June 30	5.90
3	Missouri and Kansas Telephone Co.	Rent of telephone, Apr. 1 to June 30	21.00
3	Detour Telephone Line	Telephone, Apr. 1 to June 30	18.40
3	Pay roll, Cincinnati, Ohio, substation.	Salaries, April to June	435.40
3	Stock-Growers' National Bank	Rent of rooms, Apr. 1 to June 30	54.00
3	Wyoming Midland Telegraph Co.	Transmitting messages, June	12.20
3	Pay roll, Milwaukee, Wis., substation.	Salaries, Apr. 1 to June 30	189.36
3	D. W. Morse	Oil	1.50
3	John Gordon	do	3.00
3	S. S. Bassler	Repairing rain gauge	1.40
3	W. N. French	Services in June	15.00
3	Pay roll, St. Louis, Mo., substation.	Salaries, Apr. 1 to June 30	49.25
3	Pay roll, Montgomery, Ala., substation.	do	340.00
3	Pay roll, Augusta, Ga., substation.	do	36.30
3	Codd & Allen	Repairing anemoscope	25.00
3	W. H. T. Spencer	Repairing river gauge	11.50
3	B. H. Bronson	Traveling expenses, June 27 to July 10	7.25
3	Pennsylvania R. R. Co.	Freight charges, Apr. 5 to Mar. 13	11.83
3	do	Freight charges, Sept. 17	1.40
3	Alabama and Vicksburg R. R. Co.	Freight charges, Jan. 27 and Feb. 8	1.16
3	New York, Philadelphia and Norfolk R. R. Co.	Freight charges, June 5 .....	.50
3	Norfolk and Washington Steamboat Co.	Freight charges, May 11	1.25
3	Vandalia Line	Freight charges, Apr. 26	10.04
3	Telephone and Telegraph Construction Co.	Rent of telephone, Apr. 1 to June 30	12.00
3	Nebraska Telephone Co.	Rent, April 1 to June 30	17.50
3	First National Bank, Bismarck, N. Dak.	Rent of rooms, Apr. 1 to June 30	105.00
3	Central District and Printing Telephone Co.	Rent of telephone, Apr. 1 to June 30	12.50
3	Frank P. Hall	Repairing river gauge	3.00
3	H. M. Knowles	Services, June 18	4.00
3	Missouri and Kansas Telephone Co.	Telephone exchange, Apr. 1 to June 30	12.00
3	Telephone and Telegraph Construction Co.	do	10.00
3	W. S. Harrison	Telephone instruments, Apr. 1 to June 30	9.75
3	David Jones	Services, Apr. 1 to June 30	3.00
3	Pay roll, Little Rock, Ark., substation.	Salaries, Apr. 1 to June 30	173.95
3	Pay roll, Memphis, Tenn., substation.	do	250.66
3	Pay roll, Pittsburg, substation.	do	438.20
3	Pay roll, Davenport, Iowa, substation.	do	52.75
3	Pay roll, Fort Smith, Ark., substation.	do	27.30
3	Great Southern Telephone and Telegraph Co.	Rent of telephone, Apr. 1 to June 30	15.00
3	A. J. Mulligan	Services, Apr. 1 to June 30	27.00
3	G. B. McCoy	do	6.00
3	W. H. Renear	Livery hire, May and June	7.45
3	Pythian Land and Building Association.	Rent of rooms, Apr. 1 to June 30	75.25

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Aug. 3	Astoria Gas Light Co.	Gas, Apr. 1 to June 30.	\$5.60
3	J. R. Clinton.	Line repairs, Apr. 1 to June 30.	10.50
3	Thomas Ferrill.	Services in June.	10.50
3	John Fahe.	do.	7.00
3	Richmond and Danville R. R. Co.	Freight charges, May 9 and Feb. 5.	24.38
3	Lucius M. Sheldon, by Horace B. Stevens, attorney.	Rent of rooms, Apr. 1 to June.	84.42
3	Royce & Marean.	Wire.	30.00
3	Adams Express Co.	Express charges, May and June.	62.97
3	J. H. Mills & Co.	Foot sticks.	6.00
9	Chicago, Burlington and Northern R. R. Co.	Transporting John H. Harmon, February.	29.00
9	Pay roll, Washington, D. C., substation.	Salaries, Apr. 1 to June 30.	44.80
9	Payroll, Kansas City, Mo., substation.	do.	91.00
9	Pay roll, Chattanooga, Tenn., substation.	do.	105.40
9	Pay roll, La Crosse, Wis., substation.	do.	18.20
9	Pay roll, New Orleans, La., substation.	do.	461.00
9	Pay roll, Vicksburg, Miss., substation.	do.	160.35
9	Pay roll, Portland, Oregon, substation.	do.	80.97
9	Chamber of Commerce Building Co.	Rent of rooms, Apr. 1 to June 30.	75.21
9	Nordhoff & Knabe.	Repairing clocks.	10.00
9	United States Express Co.	Transportation, March and June.	7.15
9	Park Morrill.	Office expenses, Apr. 1 to June 30.	7.75
9	Standard Furnishing Co.	Revolving chair.	10.00
9	J. H. Simmons & Son.	Bookcase.	15.00
9	Michigan Central R. R. Co.	Transporting N. B. Conger, May.	5.35
9	City Gaslight Co., of Norfolk.	Electric light, Apr. 1 to June 30.	6.00
9	McCormick & Bates.	Hauling in May.	1.00
9	East Louisiana R. R. Co.	Transmitting messages, Apr. 1 to June 30.	7.30
9	Lookout Ice and Cold Storage Co.	Ice for June.	6.00
9	W. C. Sheton.	Storage, June.	1.50
9	E. B. McIntyre.	Services, June 28.	1.25
9	Broadwater & Pepin.	Ice, May and June.	6.10
9	William Line.	Services, Oct. 19, 1892, to June 12, 1893. ....	.60
9	Great Southern Telephone and Telegraph Co.	Transmitting messages, Apr. 1 to June 30.	21.60
9	D. C. Hibbard.	Repairing telegraph line.	12.50
9	H. A. Yarnell.	do.	3.50
9	Southern Bell Telephone and Telegraph Co.	Telephone exchange, Apr. 1 to June 30.	16.00
9	E. E. Howes.	Livery hire in June.	5.00
9	John J. Veeder.	Hire of boat in June.	2.00
9	Wm. H. H. Smith.	Livery hire in June.	2.00
9	Lyon L. Garrett.	Water cooler.	4.50
9	H. C. Frankinfield.	Washing towels, May to June.	2.00
9	Bell Telephone Co. of Missouri.	Telephone exchanges, Apr. 1 to June 30.	16.25
9	Chicago, Milwaukee and St. Paul Rwy. Co.	Transporting, N. B. Conger, April.	3.39
9	Joseph Lawrence.	Services, Apr. 1 to June 30.	21.00
9	A. C. McMillin.	Services, May 1 to June 30.	20.00
9	O. D. Stewart.	Hauling, September, 1892, to June, 1893.	6.90
9	Jno. M. Klein.	Drayage, April and June.	1.00
9	C. E. Reed.	Rent of room, Apr. 1 to June 30.	6.00
9	Davidson & Joseph, agents.	do.	56.25
9	Pacific Club.	do.	72.50
9	Vernon H. Harris.	do.	16.25
9	Geo. S. Waite.	do.	103.86
9	Salt Lake City Board of Trade.	do.	137.50
9	Galveston Cotton Exchange.	do.	63.75
9	J. W. Branan.	Services, Apr. 1 to June 30.	15.00
9	Bryant, McEachen & Luce.	Rent of rooms, Apr 1 to June 30.	90.41
9	Hanna S. Simmons.	do.	70.00
9	Annie A. McGovern.	do.	85.91
9	J. A. Hatfield.	Services, Apr. 1 to June 30.	30.00
9	E. Biondi.	do.	30.00
9	W. J. Tate.	Corn.	4.50
9	Weakley & Shields, agents.	Rent of rooms, Apr. 1 to June 30.	112.50
9	Henry Bolton.	do.	52.84
9	B. A. Jeune.	Rent of rooms for June.	30.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893. Aug. 9	Missouri, Kansas and Texas Rwy. Co.	Transporting J. M. Sherier, March, 1893	\$17. 10
9	P. T. Jenkins	Traveling expenses, May	5. 50
9	Southern Bell Telephone and Telegraph Co.	Telephone exchange, Apr. 1 to June 30	15. 00
9	Philadelphia, Reading and Pottsville Telegraph Co.	Transporting messages, Apr. 1 to June 30	4. 50
9	Chicago, Burlington and Quincy R. R. Co.	Transporting R. F. Young, June	9. 25
9	Bay City and Tillamook Telegraph Co.	Transmitting messages, October to November, 1892	4. 00
9	do	Transmitting messages, December, 1892, and June, 1893	4. 50
9	Nachitoches and People's Telegraph Line.	Transmitting cotton reports, Apr. 16 to June 30	37. 50
9	Richmond and Danville R. R. Co.	Freight transportation, November and December, 1892	28. 34
10	Pay roll, Augusta, Ga., substation.	Salaries, Apr. 1 to June 30	136. 80
10	Pay roll, Chicago, Ill., substation.	do	219. 36
10	Pay roll, Atlanta, Ga., substation.	do	389. 85
10	The American Bell Telephone Co.	Telephone instruments, etc	190. 47
10	J. M. Bateman	Ice for June	1. 50
10	Wm. E. Worth & Co.	do	6. 00
10	Alphonso Congdon	Repairing tripod support	. 75
10	L. M. Pindell	Drayage in June	1. 92
10	C. Endress & Sons	Telephone service, May and June	5. 50
10	Cumberland Telephone and Telegraph Co.	Rent of telephone, Apr. 1 to June 30	61. 00
10	John A. Ramey	Repairing United States Telegraph line	10. 00
10	Philadelphia, Wilmington and Baltimore R. R. Co.	Freight charges, June	. 28
10	Leon J. Glaenzer & Co	Thermograph bulbs	39. 00
10	Henry J. Green	Repairing thermometers	42. 50
10	M. W. Etheridge	Ferriage, Apr. May, and June	17. 50
10	Wm. B. Burford	Binding weather maps	2. 50
10	Southwestern Telegraph and Telephone Co.	Telephone exchange, Apr. 1 to June 30	12. 00
10	Brush Electric Light and Power Co.	Electric lights, Apr. 1 to June 30	13. 75
10	Chas. E. Brown	Ice, Apr. 1 to June 30	7. 28
10	C. E. Haynes	Services, Apr. 1 to June 30	15. 00
10	Samuel Suecal	Repairing United States Telegraph line	2. 00
10	C. Y. Fink	Repairing typewriter	2. 00
10	Chas. E. Marshall	Making bulletin board	2. 50
10	Great Northern Rwy. Co.	Freight charges, Apr.	. 81
10	Pennsylvania R. R. Co	Freight charges, November and December, 1892	3. 81
10	Wilmington Iron Works	Hose, etc.	11. 30
10	J. A. Lewis	Services, June 30; repairing instrument shelter.	68. 00
10	The Southern Bell Telephone and Telegraph Co.	Rent of telephone, Apr. 1 to June 30	15. 00
10	J. A. Topping	Services, May 22 to June 30	24. 00
10	Challs Hayman	Services, Apr. 1 to June 30	7. 50
10	Wagner & Co.	Repairing clock	2. 50
10	R. S. Smith	Repairing telegraph line	7. 50
10	The Franklin Telephone Co.	Transmitting messages, March	1. 50
10	Rising Sun Telegraph Line	Transmitting messages, Apr. 1 to June 30	4. 80
10	The Lenoir and Blowing Rock Telegraph Co.	do	8. 20
10	Chicago, Burlington and Northern R. R. Co.	Transmitting messages, June 1 to 30	3. 19
10	Montgomery ice companies	Ice, May 20 to June 30	3. 00
10	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Transmitting messages, May and June	24. 02
10	E. S. Ritchie & Son	150 feet insulated cable	9. 00
10	The Ohio River Telegraph Co.	Transmitting messages, Jan. 1 to June 30	20. 89
10	Thomaston and Barnesville Telegraph Line.	Transmitting messages, June 1 to 30	2. 00
10	The Edison Mutual Telegraph Co.	do	8. 92
10	The Great Northwestern Telegraph Co.	do	119. 97
10	Portland and Rochester R. R.	Freight charges in June	1. 83
10	Chicago, Milwaukee and St. Paul Rwy. Co.	Transporting N. B. Conger in May	2. 55

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES.—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Aug. 10	Robert Leitch & Sons	One red cross, etc.	\$0. 50
10	The Chesapeake and Potomac Telephone Co.	Telephone expenses, Jan. 1 to June 30	75. 00
10	Geo. W. Knox Express	Freight and drayage in June .....	. 92
10	Andrew B. Graham	Engraving form	10. 00
11	The Smithsonian Institution	Transmission of exchanges	20. 30
11	J. C. Entwistle	Engraving chart	5. 00
11	Orchard & Wilhelme Carpet Co.	Linoleum	1. 00
11	R. H. Lawrence	Services in June	10. 00
11	Roses' Art Store	Hooks, etc.	1. 45
11	H. S. Mann	Services in June	49. 00
11	Wisconsin Telephone Co.	Rent of telephone, Apr. 1 to June 30	12. 50
11	Pay roll, Galveston, Tex., sub-station,	Salaries, Apr. 1 to June 30	230. 00
11	Pay-roll, Corpus Christi, Tex., substation, .....	.....do	91. 00
11	Montana National Bank	Rent of rooms, Apr. 1 to June 30	125. 00
11	New England Telephone and Telegraph Co.	Telephone service, Apr. 1 to June 30	12. 50
11	.....do	Rent of telephone, Apr. 1 to June 30	12. 50
11	First National Bank, Portland, Me.	Rent of rooms, Apr. 1 to June 30	126. 00
11	Chas. Shea	Services, Apr. 1 to June 30	30. 00
11	Charles F. Hammond	Rent of rooms, Jan. 1 to June 30	425. 00
11	Grant Riverburg	Ice for June	2. 25
11	W. B. Stockman	Drayage, etc., February to June	1. 70
11	Frances E. Lesslie	Rent of rooms, Apr. 1 to June 30	65. 25
11	R. J. Hyatt	Drayage, etc., January to June	2. 95
11	Forrest & Roche	Repairing thermograph clock	1. 00
11	John Swainson	Services, Feb. 1 to June 30	400. 00
11	Baltimore and Ohio R. R. Co.	Transporting N. B. Conger, April	23. 75
11	Michigan Central R. R. Co.	Transporting E. A. Brown <i>et al.</i> , June 15	15. 35
17	Hastings Steamboat Co.	Freight charges, Aug. 19	2. 30
17	.....do	Freight charges, Aug. 24	2. 50
17	East Tennessee, Virginia and Georgia Rwy.	Telegraphing, April, May, and June	1. 20
17	Little Northern Telegraph Co.	Telegraphing, Apr. 1 to June 30	12. 50
17	Baltimore and Ohio South-western R. R. Co.	Freight charges, Apr. 25	3. 65
17	Baltimore and Ohio R. R. Co.	Freight charges, Apr. 3 .....	. 55
17	Pay roll, Detroit, Mich., sub-station,	Salaries, Apr. 19 to June 30	72. 00
17	N. B. Conger	Traveling expenses, June	8. 40
17	Pennsylvania R. R. Co.	Freight charges, June 12 .....	. 67
17	.....do	Freight charges, Apr. 26	6. 39
17	Oregon, Salt Lake and Utah Rwy. Co.	Transportation, P. Daniels, May 31	14. 20
17	New York Central and Hudson River R. R. Co.	Freight charges, Apr. 25	3. 09
17	Wilmington, Columbia and Augusta R. R. Co.	Freight charges, Apr. 1 .....	. 61
17	Lake Superior Transit Co.	Freight charges, May 22	5. 23
17	I. P. Roosa	Expressage, June 26	2. 75
17	Chicago, Milwaukee and St. Paul Rwy. Co.	Freight charges, Mar. 22	2. 55
17	Ohio and Mississippi Rwy. Co.	Freight charges, May 22	10. 25
17	Alabama and Vicksburg Rwy. Co.	Freight charges, Apr. 14	2. 14
17	Telephone and Telegraph Construction Co.	Telephone exchange, Jan. 1 to June 30	90. 00
17	A. H. Irons	Repairing river gauge	10. 00
17	John M. Williams	Hauling	4. 13
17	R. O. Williams	Freight charges, June 23 .....	. 75
17	People's Mammoth Installment Co.	Mirror	2. 00
17	Mamie F. Sartain	Washing towels, Apr. 1 to June 30	3. 45
17	Kenfel & Esser	Measuring sticks	25. 62
17	Michigan Bell Telephone Co.	Telegraphing, Jan. 1 to Mar. 31	696. 68
17	Isaac Friedenwald	Weather maps, etc.	650. 50
17	Burlington and Missouri River R. R. in Nebraska.	Freight charges, June 22	3. 57
17	New York Central and Hudson River R. R. Co.	Freight charges, Apr. 26	2. 89
18	United States Express Co.	Expressage	1. 25
18	Royce & Marean	Electrical supplies	60. 00
18	G. N. Salisbury	Hauling, etc.	1. 25
18	A. M. T. Cunningham, lessee.	Telegraphing, June	10. 60
18	W. P. Wilson	Services June 1 to 30	150. 00
18	Louis Dorman	Drayage, etc.	2. 53

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Aug. 18	R. O. Lazenby.....	Drayage, etc.....	\$0.75
18	Tidewater Telephone Co.....	Telephoning, Mar. 1 to June 30.....	7.00
18	Edward H. Evans.....	Drayage.....	.95
18	Julien P. Friez.....	Rain and snow gauges.....	1,137.50
18	Northwestern Telephone Ex- change Co.....	Telephone exchange service, Apr. 1 to June 30.....	18.00
18	New York, New Haven and Hartford R. R. Co.....	Transporting J. W. Smith, May 19.....	4.17
18	Cincinnati, New Orleans and Texas Pacific Rwy. Co.....	Transporting D. P. McCallum, June 24.....	4.20
24	Abraham Blunt.....	Services, cleaner, Apr. 1, to June 30.....	4.50
24	Old Colony R. R. Co.....	Transporting J. W. Smith, June 3.....	1.35
Sept. 2	Great Northwestern Telegraph Co.....	Telegraphing, Jan. 1 to June 30.....	344.98
4	Enterprise Telegraph Co.....	Telegraphing, Apr. 1 to June 30.....	5.20
13	P. H. E. Sloan.....	Labor and material.....	26.00
13	Pay roll, Mobile, Ala., substation	Salaries, Apr. 1 to June 30.....	171.70
13	Baltimore and Ohio R. R. Co.....	Freight charges, May 11.....	1.14
13	J. T. Harper.....	Freight drayage, May 15.....	2.83
13	Ohio and Mississippi Rwy. Co.....	Freight charges, June 23.....	1.17
13	Chicago and Northwestern Rwy. Co.....	Freight charges, October, 1892.....	11.78
13	Lake Superior Transit Co.....	Freight charges, Sept. 28.....	2.96
13	Wilmington, Columbia and Augusta R. R. Co.....	Freight charges, Mar. 23.....	1.96
13	Western Union Telegraph Co.....	Telegraphing, March.....	11,104.30
13	do.....	Telegraphing, April.....	11,195.96
13	do.....	Telegraphing, November, 1892.....	9.10
13	Newport News and Mississippi Valley Co.....	Telegraphing, Sept. 1 to June 30.....	36.00
13	Pittsburg Telegraph Line.....	Telegraphing, Apr. 1 to June 30.....	6.20
20	Kentucky and Ohio Telegraph Line.....	Telegraphing, December, 1892, to Mar. 31, 1893.....	23.00
20	F. W. Marshall.....	Services, Apr. 1 to May 31.....	10.00
20	Kingwood and Cranberry Tel- egraph Co.....	Telegraphing, January.....	3.30
20	do.....	Telegraphing, Feb. 1 to May 31.....	8.30
20	Chas. Stannard, jr.....	Repairing roof, etc.....	19.00
22	Belt & Dyer.....	Sawdust.....	2.00
27	Southern Pacific Co. (Atlantic system).....	Freight charges, May 18.....	.68
27	do.....	Freight charges, May 8.....	6.17
27	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.....	Freight charges, July 7.....	1.94
27	do.....	Freight charges, Sept. 20.....	5.17
27	do.....	Freight charges, Oct. 29, 1892.....	3.03
27	Southern California Rwy. Co.....	Freight charges, Apr. 29, 1893.....	.25
27	Chicago and Northwestern Rwy. Co.....	Freight charges, Nov. 12, 1892.....	2.39
27	Alabama and Vicksburg R. R.....	Freight charges, Feb. 16, 1892.....	1.80
27	San Antonio and Aransas Pass Rwy.....	Freight charges, May 9, 1893.....	14.26
27	Vandalia Line.....	do.....	2.15
27	New England Telephone and Telegraph Co.....	Telegraphing, June 27 to 30.....	.40
28	Pennsylvania Rwy. Co.....	Freight charges, May 31.....	2.16
28	Atchison, Topeka and Santa Fe R. R. Co.....	Freight charges, Apr. 7.....	1.81
28	Chicago, Burlington and Quincy R. R. Co.....	Freight charges, May 22.....	29.13
Oct. 2	Pennsylvania R. R. Co.....	Freight charges, June 19.....	.88
2	Fort Worth and Denver City Rwy. Co.....	Freight charges, May 31.....	2.23
2	Western Union Telegraph Co.....	Telegraphing, etc., May, 1893.....	11,397.08
5	Royce & Mearan.....	Electrical supplies.....	40.30
5	C. B. Fenton & Co.....	Composition roller.....	1.60
10	Chicago and Northwestern Rwy. Co.....	Freight charges, May 25.....	77.14
10	William Gray & Son.....	Relettering map frames.....	6.00
11	Flint and Pere Marquette R. R. Co.....	Freight charges, Sept. 8.....	1.93
9	Western Union Telegraph Co.....	Telegraphing, June.....	10,646.23
9	L. R. White.....	Repairing United States Telegraph line.....	3.00
12	Adams Express Co.....	Expressage.....	.50
18	Jacksonville, Tampa and Key West Rwy. Co.....	Transporting P. J. Cahill, Oct. 14.....	11.20
20	Steam Gauge and Lantern Co.....	Lanterns, etc.....	27.00
20	St. Louis, Keokuk and North- western R. R. Co.....	Freight charges, Mar. 7.....	3.82

Expenditures Department of Agriculture for fiscal year ending July 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Oct. 21	John Craig	Repairing snow gauge.....	\$0. 25
25	J. M. Gallagher	Services, Apr. 1 to Sept. 30	15. 00
28	F. A. Schneider	Hardware	2. 50
28		Telegraphing and freight charges from Sept. 27 to Oct. 27.	16, 122. 21
	Total supplemental		95, 362. 05

RECAPITULATION.

Total first quarter	\$26, 897. 61
Total second quarter	61, 285. 22
Total third quarter	88, 524. 26
Total fourth quarter	83, 266. 25
Supplemental	95, 362. 05
Total	355, 335. 42

WEATHER BUREAU—GENERAL EXPENSES—SALARIES.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 1	H. McP. Baldwin <i>et al</i>	Salaries for July	\$104. 20
1	C. S. Gorgas <i>et al</i>	do	466. 79
1	W. T. Blythe <i>et al</i>	do	125. 60
1	Jno. Grover <i>et al</i>	do	110. 76
1	D. Fisher <i>et al</i>	do	153. 83
1	Alfred F. Sims <i>et al</i>	do	172. 96
1	C. P. Cronk <i>et al</i>	do	310. 86
1	W. H. Fallon <i>et al</i>	do	184. 66
1	Wm. Davis <i>et al</i>	do	157. 59
1	J. W. Smith <i>et al</i>	do	786. 48
1	D. Cuthbertson <i>et al</i>	do	343. 20
1	L. N. Jesunofsky <i>et al</i>	do	164. 43
1	John W. Byram <i>et al</i>	do	156. 59
1	I. G. Gardiner <i>et al</i>	do	117. 83
1	L. M. Pindell <i>et al</i>	do	177. 59
1	E. H. Thompson <i>et al</i>	do	165. 59
1	W. B. Stockman <i>et al</i>	do	446. 16
1	G. A. Loveland <i>et al</i>	do	106. 83
1	P. T. Jenkins <i>et al</i>	do	533. 04
2	H. C. Frankenfield <i>et al</i>	do	523. 18
2	F. H. Duff <i>et al</i>	do	174. 59
2	W. A. McNally <i>et al</i>	do	100. 00
2	Chas. M. Strong <i>et al</i>	do	272. 79
2	F. J. Walz <i>et al</i>	do	176. 59
2	J. J. Gilligan <i>et al</i>	do	285. 52
2	Geo. M. Chappel <i>et al</i>	do	353. 52
2	Edward A. Evans <i>et al</i>	do	435. 52
2	D. C. Murphy <i>et al</i>	do	157. 59
2	Peter Wood <i>et al</i>	do	171. 10
2	I. M. Cline <i>et al</i>	do	374. 52
2	Geo. W. Felger <i>et al</i>	do	150. 43
2	H. B. Dick <i>et al</i>	do	105. 80
2	R. J. Hyatt <i>et al</i>	do	171. 43
2	Frank Ridgway <i>et al</i>	do	131. 10
2	E. J. Glass <i>et al</i>	do	107. 83
2	Samuel W. Glenn <i>et al</i>	do	209. 16
2	C. F. R. Wappenhaus <i>et al</i>	do	307. 00
2	E. R. Delmain <i>et al</i>	do	198. 63
2	A. J. Mitchell <i>et al</i>	do	170. 52
2	P. Connor <i>et al</i>	do	333. 28
2	W. H. Scholl <i>et al</i>	do	93. 76
2	Henry Pennywitt <i>et al</i>	do	103. 83
2	W. U. Simons <i>et al</i>	do	166. 96
2	F. H. Clarke <i>et al</i>	do	249. 35
2	Geo. E. Franklin <i>et al</i>	do	122. 83
2	Frank Burke <i>et al</i>	do	286. 95
2	J. N. Ryker <i>et al</i>	do	192. 83
2	James I. Widmeyer <i>et al</i>	do	95. 80
2	P. McDonough <i>et al</i>	do	95. 80
2	Geo. Hass Hagan <i>et al</i>	do	13. 831
2	W. M. Wilson <i>et al</i>	do	17. 192

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date	Name.	Nature of payment.	Total
1892.			
Aug. 2	Willis L. Moore <i>et al</i>	Salaries for July	\$424.96
2	J. H. Harmon <i>et al</i>	do	196.10
2	A. E. Hackett <i>et al</i>	do	95.76
2	Jas. A. Barry <i>et al</i>	do	152.96
2	M. E. Conway <i>et al</i>	do	74.31
2	J. B. Marbury <i>et al</i>	do	336.36
3	B. A. Blundon <i>et al</i>	do	245.76
3	H. J. Cox <i>et al</i>	do	162.83
3	E. C. Easton <i>et al</i>	do	458.88
3	E. B. Dunn <i>et al</i>	do	634.78
3	E. W. McGann <i>et al</i>	do	131.10
3	A. J. Davis <i>et al</i>	do	316.42
3	Louis Dorman <i>et al</i>	do	123.16
3	S. S. Bassler <i>et al</i>	do	336.76
3	Julius G. Linsley <i>et al</i>	do	157.59
3	E. B. Olney <i>et al</i>	do	114.76
3	Chas. A. Smith <i>et al</i>	do	110.82
3	L. M. Dey <i>et al</i>	do	483.16
3	O. D. Stewart <i>et al</i>	do	238.48
3	E. P. Jones <i>et al</i>	do	181.96
3	B. S. Pague <i>et al</i>	do	251.09
3	C. F. von Hermann	do	168.43
3	Arthur L. White <i>et al</i>	do	171.59
3	Thos. Gibson <i>et al</i>	do	116.83
3	P. H. Smyth <i>et al</i>	do	172.96
3	James A. Barwick	do	118.83
3	Geo. N. Salisbury <i>et al</i>	do	167.59
3	H. B. Hersey <i>et al</i>	do	174.59
3	Geo. H. Willson <i>et al</i>	do	527.12
3	D. J. Herndon <i>et al</i>	do	531.08
3	P. F. Lyons <i>et al</i>	do	271.76
3	B. F. Hough <i>et al</i>	do	219.53
3	C. L. Bozzell <i>et al</i>	do	108.83
3	Geo. B. Wurtz <i>et al</i>	do	97.76
3	John Craig <i>et al</i>	do	219.19
3	U. G. Purssell <i>et al</i>	do	93.82
3	Thomas J. Considine <i>et al</i>	do	100.47
3	J. E. Lanouette <i>et al</i>	do	200.59
3	T. B. Jennings <i>et al</i>	do	118.83
3	E. A. Hanner <i>et al</i>	do	177.96
3	J. C. Hayden <i>et al</i>	do	122.76
4	W. E. Butler <i>et al</i>	do	238.56
4	Fred L. Johnson <i>et al</i>	do	106.83
4	F. P. Chaffee <i>et al</i>	do	204.43
4	W. M. Edmondson <i>et al</i>	do	117.83
4	W. W. Dent	Salary for July	101.10
4	S. G. Duffey	do	75.80
4	H. W. Grasse	do	40.40
4	R. O. Lazenby	do	70.80
4	W. G. Mitchell	do	48.91
4	U. G. Meyers	do	84.20
4	W. A. Shaw	do	75.80
4	J. H. Smith	do	84.20
4	F. H. Brandenburg	do	92.83
4	M. H. Bailey	do	50.00
4	Wayland Bailey	do	91.83
4	F. R. Beahan	do	85.00
4	Wm. Bell	do	88.82
4	P. J. Bolton	do	87.82
4	Geo. D. Boutcher	do	99.83
4	H. B. Boyer	do	100.00
4	Allen Buell	do	85.76
4	A. P. Butler	do	75.00
4	Ford A. Carpenter	do	82.76
4	R. M. Crawford	do	90.00
4	John H. Celery	do	85.00
4	F. W. Conrad	do	68.76
4	Maurice Connell	do	103.83
4	Thomas S. Collins	do	92.83
4	H. H. Curley	do	72.76
4	R. S. Dimmick	do	60.00
4	S. L. Doshier	do	87.83
4	E. L. Douglas	do	82.76
4	S. C. Emery	do	89.83
4	John Fitzgerald	do	93.83
4	R. B. Fulton	do	75.00
4	R. Q. Grant	do	91.83
4	Fred J. Gosewisch	do	89.83
4	H. P. Hardin	do	82.76
4	R. M. Hardinge	do	73.28

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Aug. 4	Otto B Hart.....	Salary for July.....	\$60.80
4	M. L. Hearne.....	do.....	103.00
4	H. Irvine.....	do.....	82.06
4	N. D. Lane.....	do.....	102.76
4	William Line.....	do.....	90.83
4	C. W. Ling.....	do.....	82.76
4	D. P. McCallum.....	do.....	82.73
4	J. H. Melton.....	do.....	88.80
4	V. E. Muncy.....	do.....	30.00
4	F. Newman.....	do.....	100.00
4	W. W. Nelfert.....	do.....	65.00
4	Wm. Norrington.....	do.....	89.83
4	L. F. Passallaigue.....	do.....	87.82
4	M. H. Perry.....	do.....	103.83
4	J. C. Piercy.....	do.....	90.00
4	E. M. Ravenscroft.....	do.....	77.82
4	Geo. Reeder.....	do.....	80.00
4	J. P. Slaughter.....	do.....	73.82
4	Chas. Stewart.....	do.....	101.83
4	James P. Sherry.....	do.....	89.83
4	Geo. W. Scott.....	do.....	72.76
4	C. H. Stuller.....	do.....	101.83
4	Geo. T. Todd.....	do.....	72.76
4	L. A. Welsb.....	do.....	93.83
4	F. T. Williams.....	do.....	90.00
4	J. R. Williams.....	do.....	103.83
4	H. E. Wilkinson.....	do.....	102.83
4	H. R. Boynton.....	do.....	72.76
4	Walter P. Hill.....	do.....	82.76
4	O. T. Stacy.....	do.....	75.00
4	B. H. Bronson <i>et al</i>	Salaries for July.....	189.89
6	Henry Gascon.....	Salary for July.....	15.00
6	Chas. Adie.....	do.....	65.00
6	W. F. Du Bois.....	Salary from July 12 to 21.....	10.00
6	John J. McLean.....	Salary for July.....	102.83
8	Delia M. Gunning.....	Salary from July 1 to 23.....	46.00
8	P. H. Mell.....	Salary for July.....	100.00
8	A. B. Considine.....	Salary from July 1 to 14.....	6.77
10	Harry Lowrie.....	Salary from July 18 to 31.....	13.00
12	Wm. Fahlbusch.....	Salary from July 13 to 31.....	30.00
18	M. W. Lichty.....	Salary from Aug. 1 to 5.....	13.35
19	Cator Woolford.....	Salary from July 23 to Aug. 6.....	30.00
24	Geo. M. Lamar.....	Salary from Aug. 1 to 14.....	11.29
31	Paul Beckwith.....	Salary for August.....	70.80
31	M. J. Wright, jr.....	Salary from July 1 to 15.....	40.05
Sept. 1	Chas. Adie.....	Salary for August.....	65.00
1	J. D. Blagden.....	do.....	68.76
1	F. H. Brandenburg.....	do.....	92.83
1	M. H. Bailey.....	do.....	50.00
1	Wayland Bailey.....	do.....	91.83
1	F. R. Beahan.....	do.....	85.00
1	Wm. Bell.....	do.....	88.82
1	P. J. Bolon.....	do.....	87.82
1	H. B. Boyer.....	do.....	100.00
1	Geo. D. Boutcher.....	do.....	99.83
1	H. R. Boynton.....	do.....	72.76
1	Allen Buell.....	do.....	85.76
1	Ford A. Carpenter.....	do.....	82.76
1	R. M. Crawford.....	do.....	90.00
1	John H. Celery.....	do.....	85.00
1	F. W. Conrad.....	do.....	68.76
1	Maurice Connell.....	do.....	103.83
1	Thomas S. Collins.....	do.....	92.83
1	H. H. Curley.....	do.....	72.76
1	W. W. Dent.....	do.....	101.10
1	R. S. Dimmick.....	do.....	60.00
1	S. L. Doshier.....	do.....	87.83
1	E. L. Douglas.....	do.....	82.76
1	S. G. Duffey.....	do.....	75.80
1	Cyrus Ellenberger.....	do.....	60.60
1	S. C. Emery.....	do.....	89.83
1	Jno. Fitzgerald.....	do.....	93.83
1	R. B. Fulton.....	do.....	75.00
1	H. W. Grasse.....	do.....	40.40
1	Fred Z. Gosewisch.....	do.....	89.83
1	Otto B. Hart.....	do.....	60.00
1	H. P. Hardin.....	do.....	82.76
1	R. M. Hardinge.....	do.....	73.82
1	M. L. Hearne.....	do.....	100.00
1	H. Irvine.....	do.....	82.76

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 1	N. D. Lane	Salary for August	\$102.83
1	R. O. Lazenby	do	70.80
1	C. W. Ling	do	82.76
1	John J. McLean	do	102.83
1	D. P. McCallum	do	82.76
1	P. H. Mell	do	100.00
1	J. H. Melton	do	88.83
1	V. E. Muncy	do	30.00
1	F. Newman	do	100.00
1	W. W. Neifert	do	65.00
1	William Norrington	do	89.83
1	L. F. Passaliaigue	do	87.82
1	M. H. Perry	do	103.83
1	E. M. Ravenscroft	do	77.82
1	Geo. Reeder	do	80.00
1	T. R. Ryan	Salary from July 1 to Aug. 31	111.20
1	W. A. Shaw	Salary for August	75.80
1	J. P. Slaughter	do	73.82
1	James P. Sherry	do	89.83
1	J. H. Smith	do	84.20
1	C. H. Stuller	do	101.83
1	L. M. Tarr	do	91.83
1	Geo. T. Todd	do	84.20
1	L. A. Welsh	do	93.83
1	J. R. Williams	do	103.83
1	H. E. Wilkinson	do	102.83
1	O. T. Stacy	do	75.00
1	F. T. Williams	do	90.00
1	W. T. Blythe <i>et al</i>	Salaries for August	125.60
1	D. Fisher <i>et al</i>	do	153.83
1	W. H. Fallon <i>et al</i>	do	184.06
1	Wm. Davis <i>et al</i>	do	157.59
1	L. N. Jesunofsky <i>et al</i>	do	164.43
1	John W. Byram <i>et al</i>	do	156.59
1	E. H. Thompson <i>et al</i>	do	165.59
1	W. B. Stockman <i>et al</i>	do	446.16
1	M. E. Blystone <i>et al</i>	do	472.44
1	D. C. Murphy <i>et al</i>	do	157.59
1	Peter Wood <i>et al</i>	do	171.10
1	Geo. W. Felger <i>et al</i>	do	150.43
1	H. B. Dick <i>et al</i>	do	105.80
1	Samuel W. Glenn <i>et al</i>	do	209.16
1	C. F. R. Wappenhaus <i>et al</i>	do	307.00
1	A. J. Mitchell <i>et al</i>	do	170.52
1	W. H. Scholl <i>et al</i>	do	93.76
1	W. U. Simons <i>et al</i>	do	166.96
1	Frank Burke <i>et al</i>	do	286.95
1	Jas. A. Barry <i>et al</i>	do	152.96
1	Geo. E. Hunt <i>et al</i>	do	473.88
1	E. W. McGann <i>et al</i>	do	131.10
1	Julius G. Linsley <i>et al</i>	do	157.59
1	R. Q. Grant <i>et al</i>	do	244.79
1	O. D. Stewart <i>et al</i>	do	248.20
1	Geo. N. Salisbury <i>et al</i>	do	167.59
1	H. B. Hersey <i>et al</i>	do	174.59
1	G. H. Wilson <i>et al</i>	do	383.76
1	P. F. Lyons <i>et al</i>	do	271.76
1	B. F. Hough <i>et al</i>	do	154.53
1	C. L. Bozzell <i>et al</i>	do	108.83
1	John Craig <i>et al</i>	do	219.19
1	Thomas J. Considine <i>et al</i>	do	111.76
1	J. C. Hayden <i>et al</i>	do	122.76
1	C. S. Gorzas <i>et al</i>	do	466.79
1	H. McP. Baldwin <i>et al</i>	do	104.20
1	Jno. Grover <i>et al</i>	do	110.76
1	Alfred F. Sims <i>et al</i>	do	172.96
1	C. P. Cronk <i>et al</i>	do	310.86
1	J. W. Smith <i>et al</i>	do	786.48
1	D. Cuthbertson <i>et al</i>	do	343.20
1	I. G. Gardiner <i>et al</i>	do	117.83
1	L. M. Pindell <i>et al</i>	do	177.59
1	G. A. Loveland <i>et al</i>	do	106.83
1	H. C. Frankenfield <i>et al</i>	do	523.18
1	H. A. McNally <i>et al</i>	do	100.00
1	Chas. M. Strong <i>et al</i>	do	337.79
1	T. J. Walz <i>et al</i>	do	190.59
1	J. J. Gilligan <i>et al</i>	do	285.52
1	Geo. M. Chappel <i>et al</i>	do	353.52
1	Edward A. Evans <i>et al</i>	do	435.52
1	I. M. Cline <i>et al</i>	do	374.52

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 1	R. J. Hyatt <i>et al</i>	Salaries for August	\$171. 43
1	Frank Ridgway <i>et al</i>	do	131. 10
1	E. J. Glass <i>et al</i>	do	107. 83
1	E. R. Demain <i>et al</i>	do	198. 63
1	P. Connor <i>et al</i>	do	333. 28
1	Henry Pennywitt <i>et al</i>	do	103. 83
1	F. H. Clark <i>et al</i>	do	249. 35
1	George E. Franklin <i>et al</i>	do	122. 83
1	J. N. Ryker <i>et al</i>	do	192. 83
1	Louis Dorman <i>et al</i>	do	107. 76
1	P. McDonough <i>et al</i>	do	170. 56
1	Geo. Hass Hagen <i>et al</i>	do	113. 83
1	W. L. Moore <i>et al</i>	do	424. 96
1	J. H. Harmon <i>et al</i>	do	196. 10
1	Thomas Crawford <i>et al</i>	do	153. 23
1	M. E. Conway <i>et al</i>	do	85. 60
1	J. B. Brown <i>et al</i>	do	376. 36
1	B. A. Blundon <i>et al</i>	do	263. 83
1	H. J. Cox <i>et al</i>	do	162. 83
1	E. B. Dunn <i>et al</i>	do	634. 78
1	A. J. Davis <i>et al</i>	do	276. 96
1	Jas. I. Widmeyer <i>et al</i>	do	111. 20
1	S. S. Bassler <i>et al</i>	do	336. 76
1	E. B. Olney <i>et al</i>	do	114. 76
1	Chas. A. Smith <i>et al</i>	do	110. 82
1	L. M. Dey <i>et al</i>	do	459. 56
1	E. P. Jones <i>et al</i>	do	181. 96
1	B. S. Pagne <i>et al</i>	do	261. 40
1	W. M. Edmondson <i>et al</i>	do	117. 83
1	C. F. von Hermann <i>et al</i>	do	168. 43
1	Arthur L. White <i>et al</i>	do	171. 59
1	P. H. Smyth <i>et al</i>	do	172. 96
1	James A. Barwick <i>et al</i>	do	201. 59
1	W. H. Hammon <i>et al</i>	do	460. 28
1	U. G. Pursell <i>et al</i>	do	93. 82
1	J. E. Lanonutte <i>et al</i>	do	117. 83
1	T. B. Jennings <i>et al</i>	do	118. 83
1	E. A. Hanner <i>et al</i>	do	177. 96
1	W. E. Butler <i>et al</i>	do	169. 80
1	Fred L. Johnson <i>et al</i>	do	106. 83
1	A. B. Crane <i>et al</i>	do	309. 23
1	A. P. Butler <i>et al</i>	do	75. 00
1	William Line	Salary for August	90. 83
1	W. G. Mitchell	do	60. 60
1	B. H. Bronson <i>et al</i>	Salaries for August	141. 40
1	W. M. Wilson <i>et al</i>	do	217. 19
2	Thos. Gibson <i>et al</i>	do	116. 83
2	Chas. Stewart	Salary for August	101. 83
2	Geo. W. Scott	do	72. 76
2	J. C. Piercy	do	90. 00
6	Harry Lowrie	Salary from Aug. 1 to 16	15. 48
6	Wm. Fahlbusch	Salary from Aug. 17 to 31	14. 52
6	do	Salary from Aug. 1 to 16	28. 00
6	Etta A. Emens	Salary from Aug 15 to 16	20. 00
6	Geo. B. Wurtz <i>et al</i>	Salaries for August	118. 76
6	W. H. Wise, jr.	Salary from Aug. 19 to 31	26. 00
7	Wilbur Gilmore	do	20. 00
10	Jas. H. King	Salary from Aug. 15 to 31	30. 00
14	Charles L. Griffin	Salary from Sept. 1 to 6	11. 74
14	D. B. Ryan	Salary for August	2. 58
14	J. V. Gonzales	Salary from Sept. 1 to 7	5. 83
14	W. D. Noble	Salary from Aug. 21 to 31	20. 00
19	R. Q. Williams	Salary from Aug. 23 to 31	11. 61
30	Allen Buell	Salary for September	85. 76
30	J. B. Marbury	do	122. 20
30	Titus S. Townsend	Salary, Sept. 29 to 30	3. 91
	Total first quarter		54, 960. 56
Oct. 1	Chas. Adie	Salary for September	65. 00
1	J. D. Blagden	do	68. 75
1	F. H. Brandenburg	do	92. 83
1	M. H. Bailey	do	50. 00
1	Wayland Bailey	do	91. 83
1	F. R. Beahan	do	85. 00
1	Wm. Bell	do	88. 82
1	P. J. Bolton	do	87. 82
1	Geo. D. Boutcher	do	99. 83
1	H. B. Boyer	do	100. 00
1	H. R. Boynton	do	72. 76

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 1	A. P. Butler.....	Salary for September.....	\$75.00
1	Ford A. Carpenter.....	do.....	82.76
1	F. W. Conrad.....	do.....	68.76
1	M. E. Conway.....	do.....	58.80
1	Maurice Connell.....	do.....	103.83
1	Thomas S. Collins.....	do.....	92.83
1	H. H. Curley.....	do.....	72.76
1	W. W. Dent.....	do.....	97.80
1	R. S. Dimmick.....	do.....	60.00
1	S. L. Doshier.....	do.....	87.83
1	E. D. Douglas.....	do.....	82.76
1	S. G. Duffey.....	do.....	73.40
1	S. C. Emery.....	do.....	89.83
1	Jno. Fitzgerald.....	do.....	93.83
1	R. B. Fulton.....	do.....	75.00
1	H. W. Grasse.....	do.....	39.20
1	Fred Z. Gosewich.....	do.....	89.83
1	Otto B. Hart.....	do.....	60.00
1	H. P. Hardin.....	do.....	82.76
1	R. M. Hardinge.....	do.....	73.82
1	M. L. Hearne.....	do.....	100.00
1	H. Irvine.....	do.....	82.76
1	N. D. Lane.....	do.....	102.83
1	R. O. Lazenby.....	do.....	68.40
1	William Line.....	do.....	90.83
1	John J. McLean.....	do.....	102.83
1	P. H. Mell.....	do.....	100.00
1	J. H. Melton.....	do.....	88.83
1	W. G. Mitchell.....	do.....	58.80
1	V. E. Muncy.....	do.....	30.00
1	T. Newman.....	do.....	100.00
1	W. W. Neifort.....	do.....	65.00
1	William Norrington.....	do.....	89.83
1	L. F. Passaillaigue.....	do.....	87.82
1	B. S. Pagne.....	do.....	122.20
1	M. H. Perry.....	do.....	103.83
1	J. C. Percy.....	do.....	90.00
1	E. M. Ravenscraft.....	do.....	77.82
1	George Reeder.....	do.....	83.00
1	H. W. Richardson.....	do.....	81.60
1	T. R. Ryan.....	do.....	53.80
1	W. A. Shaw.....	do.....	73.40
1	Chas. Stewart.....	do.....	101.83
1	James P. Sherry.....	do.....	89.83
1	J. H. Smith.....	do.....	81.60
1	Geo. W. Scott.....	do.....	72.76
1	C. H. Stuller.....	do.....	101.83
1	L. M. Tarr.....	do.....	91.83
1	George T. Todd.....	do.....	81.60
1	E. H. Thompson.....	do.....	92.83
1	L. A. Welsh.....	do.....	93.83
1	F. T. Williams.....	do.....	90.00
1	J. R. Williams.....	do.....	103.83
1	H. E. Wilkinson.....	do.....	102.83
1	Park Morrill <i>et al</i>	Salaries for September.....	463.19
1	H. Mc. P. Baldwin <i>et al</i>	do.....	101.60
1	W. T. Blythe <i>et al</i>	do.....	123.80
1	Jno. Grover <i>et al</i>	do.....	110.76
1	D. Fisher <i>et al</i>	do.....	153.83
1	Alfred F. Sims <i>et al</i>	do.....	170.36
1	C. B. Cronk <i>et al</i>	do.....	304.56
1	W. H. Fallon <i>et al</i>	do.....	184.66
1	Wm. Davis <i>et al</i>	do.....	157.59
1	J. W. Smith <i>et al</i>	do.....	771.88
1	D. Cuthbertson <i>et al</i>	do.....	333.60
1	L. N. Jesunofsky <i>et al</i>	do.....	162.63
1	John W. Byram <i>et al</i>	do.....	156.59
1	I. G. Gardiner <i>et al</i>	do.....	117.83
1	L. M. Pindell <i>et al</i>	do.....	177.59
1	W. B. Stockman <i>et al</i>	do.....	433.96
1	G. A. Loveland <i>et al</i>	do.....	106.83
1	H. C. Frankenfield <i>et al</i>	do.....	427.56
1	P. T. Jenkins <i>et al</i>	do.....	468.24
1	H. A. McNally <i>et al</i>	do.....	100.00
1	F. J. Walz <i>et al</i>	do.....	190.59
1	J. J. Gilligan <i>et al</i>	do.....	285.52
1	Geo. M. Campbell <i>et al</i>	do.....	347.52
1	Edward A. Evans <i>et al</i>	do.....	426.52
1	B. H. Bronson <i>et al</i>	do.....	211.96
1	D. C. Murphy <i>et al</i>	do.....	157.59

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 1	Peter Wood <i>et al</i>	Salaries for September	\$167.80
1	J. M. Cline <i>et al</i>	do	368.52
1	Geo. W. Felger <i>et al</i>	do	148.63
1	H. B. Dick <i>et al</i>	do	103.40
1	R. J. Hyatt <i>et al</i>	do	169.63
1	E. J. Glass <i>et al</i>	do	107.83
1	E. H. Emery <i>et al</i>	do	292.78
1	C. F. R. Wappenhaus <i>et al</i>	do	301.00
1	E. R. Demain <i>et al</i>	do	196.23
1	A. J. Mitchell <i>et al</i>	do	170.52
1	P. Connor <i>et al</i>	do	333.28
1	W. H. Scholl <i>et al</i>	do	93.76
1	Henry Pennywitt <i>et al</i>	do	103.83
1	W. U. Simons <i>et al</i>	do	164.36
1	F. H. Clarke <i>et al</i>	do	249.35
1	George E. Franklin <i>et al</i>	do	122.83
1	Frank Burke <i>et al</i>	do	285.15
1	J. N. Ryker <i>et al</i>	do	251.63
1	Louis Dorman <i>et al</i>	do	107.76
1	P. McDonough <i>et al</i>	do	93.40
1	Geo. Hass Hagen <i>et al</i>	do	113.83
1	W. M. Wilson <i>et al</i>	do	215.39
1	Willis L. Moore <i>et al</i>	do	416.36
1	J. H. Harmon <i>et al</i>	do	192.80
1	A. E. Hackett <i>et al</i>	do	158.69
1	Jas. A. Barry <i>et al</i>	do	150.36
1	J. B. Brown <i>et al</i>	do	270.32
1	B. A. Blundon <i>et al</i>	do	163.83
1	H. J. Cox <i>et al</i>	do	162.83
1	Geo. E. Hunt <i>et al</i>	do	384.32
1	E. W. McGann <i>et al</i>	do	127.80
1	E. B. Dunn <i>et al</i>	do	638.94
1	A. J. Davis <i>et al</i>	do	261.40
1	Jas. I. Widmeyer <i>et al</i>	do	107.60
1	G. E. Lawton <i>et al</i>	do	330.76
1	Julius G. Linsley <i>et al</i>	do	157.59
1	E. C. Easton <i>et al</i>	do	107.76
1	L. M. Dey <i>et al</i>	do	398.36
1	U. G. Myers <i>et al</i>	do	150.36
1	O. D. Stewart <i>et al</i>	do	239.80
1	E. P. Jones <i>et al</i>	do	179.36
1	H. F. Alciator <i>et al</i>	do	207.76
1	W. M. Edmonson <i>et al</i>	do	117.83
1	C. F. von Herrmann <i>et al</i>	do	166.63
1	Arthur L. White <i>et al</i>	do	171.59
1	Thos. Gibson <i>et al</i>	do	116.83
1	P. H. Smyth <i>et al</i>	do	170.36
1	Jas. A. Barwick <i>et al</i>	do	201.59
1	Geo. N. Salisbury <i>et al</i>	do	167.59
1	H. E. Hersey <i>et al</i>	do	174.59
1	G. H. Willson <i>et al</i>	do	469.26
1	W. H. Hammon <i>et al</i>	do	454.28
1	P. F. Lyons <i>et al</i>	do	265.76
1	B. F. Hough <i>et al</i>	do	152.43
1	C. L. Bozzell <i>et al</i>	do	108.83
1	John Craig <i>et al</i>	do	217.39
1	U. G. Pursell <i>et al</i>	do	93.82
1	Thos. J. Considine <i>et al</i>	do	111.76
1	J. E. Lanonett <i>et al</i>	do	117.83
1	T. B. Jennings <i>et al</i>	do	118.83
1	E. A. Hanner <i>et al</i>	do	175.36
1	J. C. Hayden <i>et al</i>	do	122.76
1	W. E. Butler <i>et al</i>	do	165.40
1	Charlie Hatton <i>et al</i>	do	106.83
1	A. B. Crane <i>et al</i>	do	303.03
1	J. P. Slaughter <i>et al</i>	do	133.82
1	Chas. A. Smith <i>et al</i>	do	217.58
1	R. M. Cranford	Salary for September	90.00
1	Otis Reisinger	Salary from Sept. 22 to 30	17.61
1	O. T. Stacy	Salary for September	75.00
1	C. W. Ling	do	82.76
1	John H. Clery	do	85.00
1	Chas. M. Strong <i>et al</i>	Salaries for September	253.59
1	C. E. Hartman	Salary for September	30.00
1	Frank Ridgway <i>et al</i>	Salaries for September	161.06
1	F. W. Fairman	Salary, Sept. 16 to 30	5.00
1	R. Q. Grant	Salary for September	91.83
4	Delia M. Gunning	Services, Sept. 10 to 28	30.00
8	P. J. Cahill	Salary, Sept. 26 to 30	9.78
12	Jas. H. King	Salary for September	52.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Oct. 17	J. B. Sloan	Services, Sept. 16 to 30	\$15.00
25	Horace I. Price	Services as messenger, September	20.00
27	R. O. Williams	Services as operator, September	40.00
27	H. H. Pease	Services as observer, Sept. 26 to Oct. 13.	18.00
31	George E. Franklin	Salary for October	102.83
31	S. W. Glenn	do.	126.40
31	S. S. Bassler	do.	126.40
Nov. 1	Chas. Adie	do.	65.00
1	J. D. Blagden	do.	68.76
1	F. B. Brandenburg	do.	92.83
1	M. H. Bailey	do.	50.00
1	Wayland Bailey	do.	91.33
1	F. R. Beahan	do.	85.00
1	P. J. Bolton	do.	87.82
1	Geo. D. Boucher	do.	99.83
1	H. B. Boyer	do.	100.00
1	H. R. Boynton	do.	72.76
1	Allen Buell	do.	85.76
1	Ford A. Carpenter	do.	82.76
1	John H. Clery	do.	85.00
1	F. W. Conrad	do.	68.76
1	M. E. Conway	do.	60.60
1	Maurice Connell	do.	103.83
1	Thomas S. Collins	do.	92.83
1	H. H. Curley	do.	72.76
1	W. W. Dent	do.	101.10
1	R. S. Dimmick	do.	60.00
1	S. L. Doshier	do.	87.83
1	E. L. Douglas	do.	82.76
1	S. G. Duffey	do.	75.80
1	S. C. Emery	do.	89.83
1	Jno. Fitzgerald	do.	93.83
1	R. B. Fulton	do.	75.00
1	H. W. Grasse	do.	40.40
1	Fred. Z. Gosewisch	do.	89.83
1	Otto B. Hart	do.	60.00
1	H. P. Hardin	do.	82.76
1	R. M. Hardinge	do.	73.82
1	M. L. Hearne	do.	100.00
1	H. Irvine	do.	82.76
1	N. D. Lane	do.	102.83
1	R. O. Lazenby	do.	70.80
1	William Luie	do.	90.83
1	C. W. Ling	do.	82.76
1	John J. McLean	do.	102.83
1	J. H. Melton	do.	88.83
1	W. W. Nelfert	do.	65.00
1	William Norrington	do.	89.83
1	L. F. Passallaigue	do.	87.82
1	M. H. Perry	do.	103.83
1	J. C. Piercy	do.	90.00
1	E. W. Ravenscraft	do.	77.82
1	George Reeder	do.	80.00
1	T. R. Ryan	do.	55.60
1	W. A. Shaw	do.	75.80
1	O. T. Stacy	do.	75.00
1	Chas. Stewart	do.	101.83
1	James P. Sherry	do.	89.83
1	J. H. Smith	do.	84.20
1	Geo. W. Scott	do.	72.76
1	C. H. Stuller	do.	101.83
1	L. M. Tarr	do.	91.83
1	Geo. T. Todd	do.	84.20
1	E. H. Thompson	do.	92.83
1	L. A. Welsh	do.	93.83
1	F. T. Williams	do.	90.00
1	J. R. Williams	do.	103.83
1	H. E. Wilkinson	do.	102.83
1	G. H. Wilson	do.	102.83
1	V. E. Muncy	do.	30.00
1	A. P. Butler	do.	75.00
1	Park Morrill <i>et al</i>	Salaries for October	387.59
1	H. McP. Baldwin <i>et al</i>	do.	104.20
1	W. T. Blythe <i>et al</i>	do.	125.60
1	Jno. Grover <i>et al</i>	do.	110.76
1	D. Fisher <i>et al</i>	do.	153.83
1	Alfred Sims <i>et al</i>	do.	172.96
1	C. P. Cronk <i>et al</i>	do.	255.26
1	W. H. Fallon <i>et al</i>	do.	184.66
1	Wm. Davis <i>et al</i>	do.	157.59

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Nov. 1	J. W. Smith <i>et al</i>	Salaries for October	\$786.48
1	D. Cuthbertson <i>et al</i>	do	343.20
1	L. N. Jesunofsky <i>et al</i>	do	164.43
1	John W. Byram <i>et al</i>	do	156.59
1	I. G. Gardiner <i>et al</i>	do	117.83
1	L. M. Pindell <i>et al</i>	do	177.59
1	W. B. Stockman <i>et al</i>	do	446.16
1	G. A. Loveland <i>et al</i>	do	106.83
1	H. C. Frankenfield <i>et al</i>	do	435.36
1	P. T. Jenkins <i>et al</i>	do	472.44
1	H. A. McNally <i>et al</i>	do	100.00
1	Chas. M. Strong <i>et al</i>	do	337.79
1	F. J. Walz <i>et al</i>	do	190.59
1	J. J. Gilligan <i>et al</i>	do	285.52
1	Geo. M. Chappel <i>et al</i>	do	353.52
1	Edward A. Evans <i>et al</i>	do	435.52
1	B. H. Bronson <i>et al</i>	do	216.16
1	D. C. Murphy <i>et al</i>	do	157.59
1	Peter Wood <i>et al</i>	do	171.10
1	I. M. Cline <i>et al</i>	do	374.52
1	Geo. W. Felger <i>et al</i>	do	150.43
1	H. B. Dick <i>et al</i>	do	105.80
1	R. J. Hyatt <i>et al</i>	do	171.43
1	Frank Ridgway <i>et al</i>	do	191.70
1	E. J. Glass <i>et al</i>	do	107.83
1	E. H. Emery <i>et al</i>	do	170.58
1	J. M. Sherier <i>et al</i>	do	391.20
1	E. R. Demain <i>et al</i>	do	198.63
1	A. J. Mitchell <i>et al</i>	do	170.52
1	P. Connor <i>et al</i>	do	333.28
1	W. H. Scholl <i>et al</i>	do	93.76
1	Henry Pennywitt <i>et al</i>	do	103.83
1	W. U. Simons <i>et al</i>	do	166.96
1	F. H. Clarke <i>et al</i>	do	237.19
1	S. M. Blandford <i>et al</i>	do	102.76
1	Frank Burke <i>et al</i>	do	286.95
1	J. N. Ryker <i>et al</i>	do	188.43
1	Louis Dorman <i>et al</i>	do	107.76
1	P. McDonough <i>et al</i>	do	95.80
1	Geo. Hass Hagen <i>et al</i>	do	113.82
1	W. M. Wilson <i>et al</i>	do	217.19
1	W. L. Moore <i>et al</i>	do	424.96
1	J. H. Harmon <i>et al</i>	do	196.10
1	A. E. Hackett <i>et al</i>	do	95.76
1	Jas. A. Barry <i>et al</i>	do	152.96
1	J. B. Marbury <i>et al</i>	do	358.52
1	B. A. Blundon <i>et al</i>	do	163.83
1	H. J. Cox <i>et al</i>	do	265.26
1	Geo. E. Hunt <i>et al</i>	do	459.88
1	E. W. McGann	do	131.10
1	E. B. Dunn <i>et al</i>	do	612.20
1	A. J. Davis <i>et al</i>	do	266.80
1	Jas. I. Widmeyer <i>et al</i>	do	111.20
1	G. E. Lawton <i>et al</i>	do	210.36
1	Julius G. Linsley <i>et al</i>	do	157.59
1	Wm. Bell <i>et al</i>	do	118.92
1	L. M. Dey <i>et al</i>	do	408.96
1	U. G. Myers <i>et al</i>	do	252.56
1	O. D. Stewart <i>et al</i>	do	257.60
1	E. P. Jones <i>et al</i>	do	181.96
1	B. S. Pague <i>et al</i>	do	344.56
1	W. M. Edmondson <i>et al</i>	do	117.83
1	Arthur S. White <i>et al</i>	do	171.59
1	Thos. Gibson <i>et al</i>	do	116.83
1	P. H. Smyth <i>et al</i>	do	172.96
1	Jas. A. Barwick <i>et al</i>	do	118.83
1	Geo. N. Salisbury <i>et al</i>	do	167.59
1	H. B. Hersey <i>et al</i>	do	125.74
1	Paul Daniels <i>et al</i>	do	454.29
1	W. H. Hammon <i>et al</i>	do	460.28
1	P. F. Lyons <i>et al</i>	do	271.76
1	B. F. Hough <i>et al</i>	do	154.53
1	C. L. Bozzell <i>et al</i>	do	108.83
1	Chas. A. Smith <i>et al</i>	do	183.58
1	John Craig <i>et al</i>	do	219.19
1	U. G. Pursell <i>et al</i>	do	93.82
1	Thomas J. Considine <i>et al</i>	do	111.76
1	J. E. Lanonette <i>et al</i>	do	178.43
1	T. B. Jennings <i>et al</i>	do	118.83
1	E. A. Hanner <i>et al</i>	do	177.96

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Nov. 1	J. C. Hayden <i>et al</i>	Salaries for October	\$122.76
1	W. E. Butler <i>et al</i>	do	169.80
1	Fred L. Johnson <i>et al</i>	do	106.83
1	A. B. Crane <i>et al</i>	do	309.23
1	J. P. Slaughter <i>et al</i>	do	133.82
3	C. A. Armstrong	Services, Oct. 7 to 15	16.00
3	R. M. Crawford	Services for October	90.00
5	Ernst T. Giers	Services, Oct. 14 to 31	35.22
8	R. Q. Grant	Services for October	91.83
9	F. Newman	do	100.00
11	H. T. Price	do	20.00
11	C. F. von Herrmann <i>et al</i>	Salaries for October	168.43
11	Henrietta H. Fallon	Services, Oct. 17 to 31	26.00
12	E. C. Easton <i>et al</i>	Salaries for October	107.76
21	E. B. Olney	Salary, Sept. 1 to 11	31.08
25	Jas. H. King	Six days' salary	12.00
25	J. B. Sloan	Salary, Nov. 1 to 11	11.00
30	H. H. Clayton	Salary for November	122.20
30	C. F. R. Wappenhaus	do	122.20
30	E. B. Calvert	do	82.76
Dec. 1	Chas. Adie	do	65.00
1	J. D. Blagden	do	68.76
1	F. H. Brandenburg	do	92.83
1	M. H. Bailey	do	50.00
1	Wayland Bailey	do	91.93
1	F. R. Beahan	do	85.00
1	P. J. Bolton	do	87.82
1	Geo. D. Boutcher	do	99.83
1	H. B. Boyer	do	100.00
1	H. R. Boynton	do	72.76
1	Allen Briell	do	85.76
1	Ford A. Carpenter	do	82.76
1	John H. Celery	do	85.00
1	F. W. Conrad	do	68.76
1	M. E. Conway	do	58.80
1	Maurice Connell	do	103.83
1	Thomas S. Collins	do	92.83
1	H. H. Curley	do	72.76
1	W. W. Dent	do	97.80
1	R. S. Dimmick	do	60.00
1	S. L. Doshier	do	87.83
1	E. L. Douglas	do	82.76
1	S. G. Duffey	do	73.40
1	S. C. Emery	do	89.83
1	Joseph P. Fallihee	do	58.80
1	W. H. Fallon	do	92.83
1	Jno. Fitzgerald	do	93.83
1	E. B. Fulton	do	75.00
1	R. Q. Grant	do	91.83
1	H. W. Grasse	do	39.20
1	Fred Z. Gosewisch	do	89.83
1	Otto B. Hart	do	60.00
1	H. P. Hardin	do	82.76
1	R. M. Hardnige	do	73.82
1	M. L. Hearne	do	100.00
1	E. C. Hobbs	do	91.83
1	H. Irvine	do	82.76
1	N. D. Lane	do	102.83
1	R. O. Lazenby	do	68.40
1	William Line	do	90.83
1	C. W. Ling	do	82.76
1	John H. McLean	do	102.83
1	J. H. Melton	do	88.83
1	F. Newman	do	100.00
1	William Norrington	do	89.83
1	L. F. Passailaigue	do	87.82
1	M. H. Perry	do	103.83
1	J. C. Pierce	do	90.00
1	E. M. Ravenscroft	do	77.82
1	Geo. Reeder	do	80.00
1	T. R. Ryan	do	53.80
1	W. A. Shaw	do	73.40
1	Chas. Stewart	do	101.83
1	James P. Sherry	do	89.83
1	J. H. Smith	do	81.60
1	Geo. W. Scott	do	72.76
1	C. H. Stuller	do	101.83
1	L. M. Tarr	do	91.83
1	Geo. T. Todd	do	81.60
1	L. A. Welsh	do	93.83

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATAER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1892.			
Dec. 1	F. T. Williams	Salary for November	\$90.00
1	J. R. Williams	do	103.83
1	H. E. Wilkinson	do	102.83
1	Wm. Bell	do	88.82
1	W. W. Neifert	do	65.00
1	O. T. Stacy	do	75.00
1	A. P. Butler	do	75.00
1	R. O. Williams	Salary for October	40.25
1	J. B. Sloan	do	30.00
1	R. M. Crawford	do	90.00
1	V. E. Muncy	Salary for November	30.00
1	H. McP. Baldwin <i>et al</i>	Salaries for November	101.60
1	Park Morrill <i>et al</i>	do	381.59
1	W. T. Blythe <i>et al</i>	do	123.80
1	Jno. Grover <i>et al</i>	do	110.76
1	D. Fisher <i>et al</i>	do	153.83
1	Alfred F. Sims <i>et al</i>	do	170.36
1	C. P. Cronk <i>et al</i>	do	304.07
1	Wm. Davis <i>et al</i>	do	157.59
1	J. W. Smith <i>et al</i>	do	659.64
1	D. Cuthbertson <i>et al</i>	do	333.60
1	L. N. Jesunofsky <i>et al</i>	do	162.63
1	John W. Byram <i>et al</i>	do	156.59
1	I. G. Gardiner <i>et al</i>	do	117.83
1	L. M. Pindell <i>et al</i>	do	177.59
1	E. H. Thompson <i>et al</i>	do	132.03
1	W. B. Stockman <i>et al</i>	do	433.96
1	G. A. Loveland <i>et al</i>	do	106.83
1	H. C. Frankenfield <i>et al</i>	do	432.62
1	P. T. Jenkins <i>et al</i>	do	590.44
1	H. H. McNally <i>et al</i>	do	100.00
1	Chas. M. Strong <i>et al</i>	do	335.19
1	J. J. Gilligan <i>et al</i>	do	192.69
1	Geo. M. Chappel <i>et al</i>	do	347.52
1	Edward A. Evans <i>et al</i>	do	426.52
1	B. H. Bronson <i>et al</i>	do	211.96
1	D. C. Murphy <i>et al</i>	do	157.59
1	Peter Wood <i>et al</i>	do	167.80
1	I. M. Cline <i>et al</i>	do	427.32
1	Geo. W. Felger <i>et al</i>	do	148.63
1	R. J. Wyatt <i>et al</i>	do	169.63
1	Frank Ridgway <i>et al</i>	do	186.60
1	E. J. Glass <i>et al</i>	do	107.83
1	Samuel W. Glenn <i>et al</i>	do	204.96
1	J. M. Sherier <i>et al</i>	do	260.40
1	E. R. Demain <i>et al</i>	do	255.03
1	A. J. Mitchell <i>et al</i>	do	170.52
1	P. Connor <i>et al</i>	do	333.28
1	W. H. Scholl <i>et al</i>	do	93.76
1	Henry Pennywitt <i>et al</i>	do	103.83
1	W. U. Simons <i>et al</i>	do	164.36
1	F. H. Clarke <i>et al</i>	do	235.39
1	George E. Franklin <i>et al</i>	do	122.83
1	Frank Burke <i>et al</i>	do	285.15
1	Louis Dorman <i>et al</i>	do	107.76
1	P. McDonough <i>et al</i>	do	93.40
1	Geo. Hass Hagen <i>et al</i>	do	113.83
1	W. M. Wilson <i>et al</i>	do	298.15
1	W. L. Moore <i>et al</i>	do	416.36
1	J. H. Harmon <i>et al</i>	do	192.80
1	A. E. Hackett <i>et al</i>	do	95.76
1	Jas. A. Barry <i>et al</i>	do	150.36
1	J. B. Marbury <i>et al</i>	do	328.56
1	B. A. Blundon <i>et al</i>	do	163.83
1	H. J. Cox <i>et al</i>	do	161.63
1	R. E. Kerkam <i>et al</i>	do	453.08
1	E. W. McGann <i>et al</i>	do	127.80
1	J. W. Bauer <i>et al</i>	do	697.38
1	A. J. Davis <i>et al</i>	do	202.60
1	Jas. I. Widmeyer <i>et al</i>	do	107.60
1	Geo. E. Hunt <i>et al</i>	do	330.76
1	Julius G. Linsley <i>et al</i>	do	157.59
1	H. F. Aiciatore <i>et al</i>	do	105.00
1	E. C. Easton <i>et al</i>	do	107.76
1	L. M. Dey <i>et al</i>	do	400.36
1	U. G. Mayers <i>et al</i>	do	248.16
1	O. D. Stewart <i>et al</i>	do	249.80
1	E. P. Jones <i>et al</i>	do	179.36
1	B. S. Pague <i>et al</i>	do	346.92
1	W. M. Edmondson <i>et al</i>	do	117.83

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1892. Dec. 1	C. T. von Hermann <i>et al.</i>	Salaries for November.....	\$166.63
1	Arthur L. White <i>et al.</i>	do.....	171.59
1	Thomas Gibson <i>et al.</i>	do.....	116.83
1	P. H. Smythe <i>et al.</i>	do.....	170.36
1	Geo. N. Salisbury <i>et al.</i>	do.....	167.59
1	H. B. Hersey <i>et al.</i>	do.....	136.83
1	G. H. Willson <i>et al.</i>	do.....	552.02
1	W. H. Hammon <i>et al.</i>	do.....	454.28
1	P. F. Lyons <i>et al.</i>	do.....	265.76
1	B. F. Hough <i>et al.</i>	do.....	152.43
1	C. L. Bozzell <i>et al.</i>	do.....	108.83
1	Chas. A. Smith <i>et al.</i>	do.....	183.58
1	John Craig <i>et al.</i>	do.....	217.39
1	U. G. Purssell <i>et al.</i>	do.....	93.82
1	Thomas J. Considine <i>et al.</i>	do.....	111.76
1	J. E. Lanonette <i>et al.</i>	do.....	117.83
1	T. B. Jennings <i>et al.</i>	do.....	118.83
1	E. A. Hanner <i>et al.</i>	do.....	175.36
1	J. C. Hayden <i>et al.</i>	do.....	122.76
1	W. E. Butler <i>et al.</i>	do.....	224.20
1	Fred L. Johnson <i>et al.</i>	do.....	106.83
1	A. B. Crane <i>et al.</i>	do.....	303.03
1	J. P. Slaughter <i>et al.</i>	do.....	133.82
1	H. B. Dick <i>et al.</i>	do.....	103.40
1	F. J. Walz <i>et al.</i>	do.....	190.59
1	J. N. Ryker <i>et al.</i>	do.....	186.63
9	James A. Barwick <i>et al.</i>	do.....	118.83
9	James H. King.....	Salary for November.....	16.00
14	Henrietta H. Fallon.....	do.....	52.00
19	Horace T. Price.....	Services, November.....	20.00
19	Henrietta H. Fallon.....	Salary, Dec. 1 to 5.....	8.00
31	Walter P. Hall.....	Salary, Aug. 1 to Sept. 22.....	143.45
31	W. B. Stockman.....	Salary for December.....	126.40
31	D. Cuthbertson.....	do.....	126.40
31	I. M. Cline.....	do.....	126.40
31	L. C. Cover.....	do.....	60.60
31	W. S. Miller.....	Salary from Nov. 1 to 15.....	46.41
	Total second quarter.....		81,623.98
1893. Jan. 2	Chas. Adie.....	Salary for December.....	65.00
2	J. D. Blagden.....	do.....	68.76
2	F. H. Brandenburg.....	do.....	92.83
2	Wayland Bailey.....	do.....	91.83
2	Wm. Bell.....	do.....	88.82
2	C. L. Bozzell.....	do.....	88.83
2	P. J. Bolton.....	do.....	87.82
2	Geo. D. Boutcher.....	do.....	99.83
2	H. B. Boyer.....	do.....	100.00
2	Allen Buell.....	do.....	85.76
2	Ford A. Carpenter.....	do.....	82.76
2	R. M. Crawford.....	do.....	90.00
2	John H. Clery.....	do.....	85.00
2	F. W. Conrad.....	do.....	68.76
2	M. E. Conway.....	do.....	60.60
2	Maurice Connell.....	do.....	103.83
2	Thomas S. Collins.....	do.....	92.83
2	H. H. Curley.....	do.....	72.76
2	R. S. Dimmick.....	do.....	60.00
2	Louis Dorman.....	do.....	82.76
5	S. L. Dasher.....	do.....	87.83
2	S. G. Duffey.....	do.....	75.80
2	S. C. Emery.....	do.....	89.83
2	Joseph P. Fallihee.....	do.....	60.60
2	John Fitzgerald.....	do.....	93.83
2	R. B. Fulton.....	do.....	75.00
2	R. Q. Grant.....	do.....	91.83
2	Fred G. Gosewich.....	do.....	89.83
2	Otto B. Hart.....	do.....	60.00
2	H. P. Hardin.....	do.....	82.76
2	R. M. Hardnige.....	do.....	73.82
2	M. L. Hearne.....	do.....	100.00
2	E. C. Hobbs.....	do.....	91.83
2	N. D. Lane.....	do.....	102.80
2	R. O. Lazenley.....	do.....	70.80
2	William Line.....	do.....	90.83
2	C. W. Ling.....	do.....	82.76
2	John J. McLean.....	do.....	102.83
2	P. McDonough.....	do.....	75.80
2	J. H. Melton.....	do.....	88.83

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 2	V. E. Muncy	Salary for December	\$30.00
2	F. Newman	do	100.00
2	W. W. Neifert	do	65.00
2	William Norrington	do	89.83
2	L. F. Passailaigne	do	87.82
2	M. H. Perry	do	103.83
2	J. C. Piercy	do	90.00
2	E. M. Ravenscroft	do	77.82
2	Geo. Reeder	do	80.00
2	T. R. Ryan	do	55.60
2	W. A. Shaw	do	75.80
2	Chas. Stewart	do	101.83
2	Eugene E. Spencer	do	60.60
2	J. M. Sherrer	do	84.20
2	James P. Sherry	do	89.83
2	J. H. Smith	do	84.20
2	Geo. W. Scott	do	72.76
2	C. W. Stuller	do	101.83
2	L. M. Tarr	do	91.83
2	Geo. T. Todd	do	84.20
2	L. A. Welsh	do	93.83
2	J. R. Williams	do	103.83
2	H. E. Wilkinson	do	102.83
2	Park Morrill <i>et al.</i>	Salaries for December	387.59
2	W. T. Blythe <i>et al.</i>	do	125.60
2	Jno. Grover <i>et al.</i>	do	110.76
2	D. Fisher <i>et al.</i>	do	153.83
2	Alfred F. Sims <i>et al.</i>	do	172.96
2	C. P. Cronk <i>et al.</i>	do	310.83
2	W. H. Fallon <i>et al.</i>	do	185.66
2	Wm. Davis <i>et al.</i>	do	157.59
2	J. W. Smith <i>et al.</i>	do	794.64
2	E. A. Beais <i>et al.</i>	do	216.80
2	L. N. Jesunofsky <i>et al.</i>	do	164.43
2	John W. Byram <i>et al.</i>	do	156.59
2	I. G. Gardiner <i>et al.</i>	do	117.83
2	L. M. Pindell <i>et al.</i>	do	177.59
2	H. Irvine <i>et al.</i>	do	123.16
2	H. J. Penrod <i>et al.</i>	do	319.76
2	G. A. Loveland <i>et al.</i>	do	106.83
2	H. C. Frankenfield <i>et al.</i>	do	462.58
2	S. S. Bassler <i>et al.</i>	do	472.44
2	H. A. McNally <i>et al.</i>	do	100.00
2	Chas. M. Strong <i>et al.</i>	do	337.79
2	F. J. Walz <i>et al.</i>	do	190.59
2	J. J. Gilligan <i>et al.</i>	do	192.69
2	Geo. M. Chappel <i>et al.</i>	do	353.52
2	Edward A. Evans <i>et al.</i>	do	435.52
2	B. H. Bronson <i>et al.</i>	do	216.16
2	D. C. Murphy <i>et al.</i>	do	157.59
2	Peter Wood <i>et al.</i>	do	171.10
2	I. M. Cline <i>et al.</i>	do	308.72
2	Geo. W. Felger <i>et al.</i>	do	150.43
2	H. B. Dick <i>et al.</i>	do	105.80
2	R. J. Hyatt <i>et al.</i>	do	171.43
2	Frank Ridgway <i>et al.</i>	do	191.70
2	E. J. Glass <i>et al.</i>	do	107.83
2	Samuel W. Glenn <i>et al.</i>	do	209.16
2	E. R. Demain <i>et al.</i>	do	198.63
2	A. J. Mitchell <i>et al.</i>	do	170.52
2	P. Connor <i>et al.</i>	do	333.28
2	W. H. Scholl <i>et al.</i>	do	93.76
2	W. U. Simons <i>et al.</i>	do	166.96
2	F. H. Clark <i>et al.</i>	do	176.59
2	George E. Franklin <i>et al.</i>	do	152.83
2	Frank Burk <i>et al.</i>	do	286.95
2	J. N. Ryker <i>et al.</i>	do	183.43
2	Geo. Hass Hagen <i>et al.</i>	do	113.83
2	W. M. Wilson <i>et al.</i>	do	217.19
2	W. L. Moore <i>et al.</i>	do	424.96
2	J. H. Harmon <i>et al.</i>	do	196.10
2	A. E. Hackett <i>et al.</i>	do	95.76
2	Jas. A. Barry <i>et al.</i>	do	152.96
2	J. Z Marbury <i>et al.</i>	do	336.36
2	B. A. Blundon <i>et al.</i>	do	163.83
2	A. J. Cox <i>et al.</i>	do	163.43
2	R. E. Kerkam <i>et al.</i>	do	459.88
2	E. W. McGann <i>et al.</i>	do	131.10
2	E. B. Dunn <i>et al.</i>	do	646.98
2	A. B. Crane <i>et al.</i>	do	205.40

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Jan. 2	Jas. I. Widmeyer <i>et al</i>	Salaries for December	\$111.20
2	Geo. E. Hunt <i>et al</i>	do	276.16
2	Julius G. Linsley <i>et al</i>	do	157.59
2	H. F. Alciatore <i>et al</i>	do	105.00
2	W. W. Dent <i>et al</i>	do	161.70
2	E. C. Easton <i>et al</i>	do	107.76
2	L. M. Dey <i>et al</i>	do	408.96
2	U. G. Myers <i>et al</i>	do	236.75
2	O. D. Stewart <i>et al</i>	do	257.60
2	E. P. Jones <i>et al</i>	do	181.96
2	B. S. Pague <i>et al</i>	do	352.32
2	W. M. Edmondson <i>et al</i>	do	117.83
2	C. F. von Herrmann <i>et al</i>	do	168.43
2	Arthur L. White <i>et al</i>	do	171.59
2	Thos. Gibson <i>et al</i>	do	116.83
2	P. H. Smyth <i>et al</i>	do	172.96
2	James A. Barwick <i>et al</i>	do	118.83
2	P. T. Jenkins <i>et al</i>	do	683.52
2	W. H. Hammon <i>et al</i>	do	460.28
2	P. F. Lyons <i>et al</i>	do	271.76
2	B. F. Hough <i>et al</i>	do	154.53
2	Chas. A. Smith <i>et al</i>	do	183.58
2	John Craig <i>et al</i>	do	219.19
2	U. G. Purssell <i>et al</i>	do	93.82
2	Thomas J. Considine <i>et al</i>	do	111.76
2	J. E. Lanonette <i>et al</i>	do	178.43
2	T. B. Jennings <i>et al</i>	do	118.83
2	E. A. Hanner <i>et al</i>	do	177.96
2	J. C. Hayden <i>et al</i>	do	122.76
2	W. E. Butler <i>et al</i>	do	252.56
2	Fred L. Johnson <i>et al</i>	do	106.83
2	A. J. Davis <i>et al</i>	do	310.03
2	J. P. Slaughter <i>et al</i>	do	133.82
2	C. F. R. Wappenhaus <i>et al</i>	do	307.00
2	Geo. N. Salisbury <i>et al</i>	do	167.59
2	M. H. Bailey	Salary for December	50.00
2	F. R. Braham	do	85.00
2	F. T. Williams	do	90.00
2	Henry Pennywitt <i>et al</i>	Salaries for December	103.03
2	H. McP. Baldwin	Salary for December	84.20
2	H. B. Hersey <i>et al</i>	Salaries for December	152.43
2	Gilbert B. Borden	Salary, July 1 to Sept. 15	22.26
2	R. McKean Barry	Salary, Dec. 10 to 31	43.04
2	E. L. Douglas	Salary for December	82.76
2	F. P. Holt	do	60.60
4	H. R. Boynton	do	72.76
12	P. H. Mell	Salary from Dec. 27 to 31	12.23
12	Charles Mathews	Salary from Dec. 11 to 21	22.00
12	Ralph L. Shay	Salary from Dec. 14 to 31	11.61
12	I. F. Jesunofsky	Salary from Dec. 23 to 31	16.00
17	R. A. McDonald	Salary from Dec. 7 to 31	24.19
21	C. N. Thompson	Salary from Dec 16 to 31	24.00
21	Horace T. Price	Salary for Dec.	20.00
21	A. P. Butler	do	75.00
23	Joseph Biechele, jr	Salary for January	13.33
23	H. W. Grasse	Salary from Dec. 16 to 31	40.40
26	A. L. Hatch	Salary from Jan. 12 to 27	10.00
28	B. S. Myers	Salary for January	32.00
31	W. B. Stockman	do	129.20
31	H. C. Frankenfield	do	129.20
31	D. Cuthbertson	do	129.20
31	R. S. Manger	Salary from Jan. 23 to 31	18.00
Feb. 1	Park Morrill <i>et al</i>	Salaries for January	391.79
1	W. T. Blythe <i>et al</i>	do	126.80
1	John Grover <i>et al</i>	do	110.76
1	D. Fisher <i>et al</i>	do	153.83
1	Alfred F. Sims <i>et al</i>	do	174.86
1	C. P. Cronk <i>et al</i>	do	315.16
1	W. H. Fallon <i>et al</i>	do	185.66
1	Wm. Davis <i>et al</i>	do	157.59
1	H. H. Clayton <i>et al</i>	do	674.34
1	Edward A. Beals <i>et al</i>	do	251.82
1	John W. Byram <i>et al</i>	do	156.59
1	I. G. Gardiner <i>et al</i>	do	117.83
1	L. M. Pindell <i>et al</i>	do	177.59
1	H. Irvine <i>et al</i>	do	124.06
1	H. J. Penrod <i>et al</i>	do	352.82
1	G. A. Loveland <i>et al</i>	do	106.83
1	E. H. Emery <i>et al</i>	do	399.58
1	S. S. Bassler <i>et al</i>	do	475.24

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 1	H. A. McNally <i>et al.</i>	Salaries for January	\$100.00
1	Chas. M. Strong <i>et al.</i>	do	339.69
1	F. J. Walz <i>et al.</i>	do	190.59
1	J. J. Gilligan <i>et al.</i>	do	254.69
1	Geo. M. Chappel <i>et al.</i>	do	357.72
1	Edward A. Evans <i>et al.</i>	do	372.56
1	B. H. Bronson <i>et al.</i>	do	223.96
1	D. C. Murphy <i>et al.</i>	do	157.59
1	Peter Wood <i>et al.</i>	do	173.30
1	I. M. Cline <i>et al.</i>	do	419.96
1	W. E. Butler <i>et al.</i>	do	173.10
1	Frank Ridgway <i>et al.</i>	do	195.30
1	E. J. Glass <i>et al.</i>	do	107.83
1	Samuel W. Glenn <i>et al.</i>	do	211.96
1	C. F. R. Wappenhaus <i>et al.</i>	do	311.20
1	E. R. Demain <i>et al.</i>	do	200.13
1	A. J. Mitchell <i>et al.</i>	do	170.52
1	P. Connor <i>et al.</i>	do	346.58
1	Henry Pennywitt <i>et al.</i>	do	103.83
1	W. U. Simons <i>et al.</i>	do	168.86
1	F. H. Clark <i>et al.</i>	do	212.96
1	George E. Franklin <i>et al.</i>	do	122.83
1	Frank Burk <i>et al.</i>	do	328.72
1	J. N. Ryker <i>et al.</i>	do	184.83
1	Geo. Hass Hagen <i>et al.</i>	do	113.83
1	W. M. Wilson <i>et al.</i>	do	218.59
1	W. L. Moore <i>et al.</i>	do	431.06
1	J. H. Harmon <i>et al.</i>	do	198.30
1	A. E. Hackett <i>et al.</i>	do	95.76
1	Jas. A. Barry <i>et al.</i>	do	154.86
1	J. B. Marbury <i>et al.</i>	do	341.96
1	H. J. Cox <i>et al.</i>	do	164.83
1	R. E. Kerkam	do	464.58
1	E. W. McCann <i>et al.</i>	do	133.30
1	E. B. Dunn <i>et al.</i>	do	652.68
1	A. B. Crane <i>et al.</i>	do	210.10
1	Jas. I. Widmeyer <i>et al.</i>	do	113.60
1	Geo. E. Hunt <i>et al.</i>	do	278.96
1	Julius G. Linsley <i>et al.</i>	do	157.59
1	H. F. Alciatore <i>et al.</i>	do	105.00
1	W. W. Dent <i>et al.</i>	do	165.30
1	E. C. Easton <i>et al.</i>	do	107.76
1	L. M. Dey <i>et al.</i>	do	414.86
1	U. G. Myers <i>et al.</i>	do	255.86
1	O. D. Stewart <i>et al.</i>	do	263.20
1	E. P. Jones <i>et al.</i>	do	183.86
1	B. S. Pague <i>et al.</i>	do	326.02
1	W. M. Edmondson <i>et al.</i>	do	117.83
1	C. F. von Herrmann <i>et al.</i>	do	169.83
1	Arthur L. White <i>et al.</i>	do	129.13
1	Thos. Gibson <i>et al.</i>	do	116.83
1	P. H. Smyth <i>et al.</i>	do	174.86
1	James A. Barwick <i>et al.</i>	do	118.83
1	Geo. N. Salisbury	do	167.59
1	H. B. Hersey <i>et al.</i>	do	153.83
1	P. T. Jenkins <i>et al.</i>	do	690.32
1	W. H. Hammon	do	464.48
1	E. C. Thompson	do	215.52
1	B. F. Hough <i>et al.</i>	do	156.03
1	Chas. A. Smith <i>et al.</i>	do	183.58
1	John Craig <i>et al.</i>	do	220.59
1	B. A. Blundon <i>et al.</i>	do	163.83
1	U. G. Purssell <i>et al.</i>	do	93.82
1	Thomas J. Considine <i>et al.</i>	do	111.76
1	J. E. Lanonette <i>et al.</i>	do	179.83
1	T. B. Jennings <i>et al.</i>	do	118.83
1	E. A. Harmer <i>et al.</i>	do	179.86
1	J. C. Hayden	do	122.76
1	R. J. Hyatt <i>et al.</i>	do	298.96
1	Fred L. Johnson <i>et al.</i>	do	106.83
1	A. J. Davis <i>et al.</i>	do	312.83
1	J. P. Slaughter <i>et al.</i>	do	133.82
1	Geo. W. Felger <i>et al.</i>	do	151.83
1	A. Ashenberger	Salary for January	82.76
1	Chas. Adie	do	65.00
1	F. H. Brandenburg	do	92.83
1	M. H. Bailey	do	50.00
1	Wayland Bailey	do	91.83
1	H. McP. Baldwin	do	86.10

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 1	F. R. Beahan.....	Salary for January.....	\$85.00
1	Wm. Bell.....	do.....	88.82
1	C. L. Bozzell.....	do.....	88.83
1	P. J. Bolton.....	do.....	87.82
1	Geo. D. Boucher.....	do.....	99.83
1	H. B. Boyer.....	do.....	100.00
1	H. R. Boynton.....	do.....	72.76
1	Allen Buell.....	do.....	85.76
1	Ford A. Carpenter.....	do.....	82.76
1	R. M. Crawford.....	do.....	90.00
1	John H. Clery.....	do.....	85.00
1	F. W. Conrad.....	do.....	68.76
1	M. E. Conway.....	do.....	62.00
1	Maurice Connell.....	do.....	103.83
1	Thomas S. Collins.....	do.....	92.83
1	H. H. Curley.....	do.....	72.76
1	R. S. Dimmick.....	do.....	60.00
1	Louis Dorman.....	do.....	82.76
1	S. L. Doshier.....	do.....	87.83
1	E. L. Douglas.....	do.....	82.76
1	S. G. Duffey.....	do.....	77.50
1	S. C. Emery.....	do.....	89.83
1	Jos. P. Fallihee.....	do.....	62.00
1	Jno. Fitzgerald.....	do.....	93.83
1	R. B. Fulton.....	do.....	75.00
1	R. Q. Grant.....	do.....	91.83
1	H. W. Grasse.....	do.....	41.30
1	Fred Z. Gosewich.....	do.....	89.83
1	Otto B. Hart.....	do.....	60.00
1	H. P. Hardin.....	do.....	82.76
1	R. M. Hardinge.....	do.....	73.82
1	M. L. Hearne.....	do.....	100.00
1	E. C. Hobbs.....	do.....	91.83
1	L. N. Jesunofsky.....	do.....	103.83
1	N. D. Lane.....	do.....	102.83
1	R. O. Lazenby.....	do.....	72.30
1	William Line.....	do.....	90.83
1	C. W. Ling.....	do.....	82.76
1	P. McDonough.....	do.....	77.50
1	John J. McLean.....	do.....	102.83
1	J. H. Malton.....	do.....	83.83
1	C. E. Muncy.....	do.....	30.00
1	Fred Myers.....	Salary from Jan. 12 to 31.....	40.00
1	W. W. Neifert.....	Salary for January.....	65.00
1	William Norrington.....	do.....	89.83
1	L. F. Passallaigue.....	do.....	87.82
1	J. C. Piercy.....	do.....	90.00
1	E. M. Ravenscroft.....	do.....	77.82
1	T. R. Ryan.....	do.....	56.80
1	W. A. Shaw.....	do.....	77.50
1	Chas. Stewart.....	do.....	101.83
1	J. M. Sherier.....	do.....	86.10
1	James P. Sherry.....	do.....	89.83
1	J. H. Smith.....	do.....	83.10
1	Geo. W. Scott.....	do.....	72.76
1	Benj. R. Stewart.....	do.....	72.30
1	C. H. Stuller.....	do.....	101.83
1	L. M. Tarr.....	do.....	91.83
1	Geo. T. Todd.....	do.....	86.10
1	L. A. Welsh.....	do.....	93.83
1	F. T. Williams.....	do.....	90.00
1	J. R. Williams.....	do.....	103.83
1	H. E. Wilkinson.....	do.....	102.83
1	F. Newman.....	do.....	100.00
1	P. H. Mell.....	do.....	77.50
1	R. A. Macdonald.....	do.....	30.00
3	I. F. Jesunofsky.....	Salary from Jan. 2 to 27.....	46.00
4	Ralph L. Shay.....	Salary for January.....	20.00
4	P. F. Lyons.....	do.....	129.20
7	W. H. Scholl <i>et al</i>	Salaries for January.....	93.76
7	C. N. Thompson.....	Services, Jan. 1 to 11, and 17 to 26.....	31.50
7	Geo. Reeder.....	Services for January.....	80.00
7	J. D. Blagden.....	do.....	68.76
10	G. W. Pancoast.....	Salary from January 14 to 31.....	36.00
10	H. B. Dick <i>et al</i>	Salaries for January.....	107.30
10	G. E. Lewis.....	Salary from Jan. 16 to 31.....	10.00
16	Horace T. Price.....	Salary for January.....	20.00
16	H. Flegel.....	do.....	15.00
25	M. O. Conner.....	Salary from Feb. 7 to 18.....	20.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 28	E. L. Douglas	Salary for February	\$82.76
28	W. W. Neifert	do	65.00
28	P. F. Lyons	do	116.60
28	Geo. M. Chappel	do	116.60
28	H. C. Frankenfield	do	116.60
28	Orlof T. Brown	Salary from Jan. 31 to Feb. 28	58.00
Mar. 1	Chas. Adie	Salary for February	65.00
1	J. D. Bladgen	do	68.76
1	F. H. Bradenburg	do	92.83
1	A. Ashenberger	do	82.76
1	Wayland Bailey	do	91.83
1	W. L. Moore	do	116.60
1	H. McP. Baldwin	do	77.80
1	F. R. Beahan	do	85.00
1	Wm. Bell	do	88.82
1	C. L. Bozzell	do	88.83
1	P. J. Bolton	do	87.82
1	Geo. D. Boutcher	do	99.83
1	H. B. Boyer	do	100.00
1	Allen Buell	do	85.76
1	Ford A. Carpenter	do	82.76
1	R. M. Crawford	do	90.00
1	John H. Clery	do	85.00
1	F. W. Conrad	do	68.76
1	M. E. Conway	do	56.00
1	Maurice Connell	do	103.83
1	Thomas S. Collins	do	92.83
1	H. H. Curley	do	72.76
1	R. S. Diminick	do	60.00
1	Louis Dorman	do	82.76
1	S. L. Doshier	do	87.83
1	S. G. Duffey	do	70.00
1	S. C. Emery	do	89.83
1	Weston M. Fulton	do	56.00
1	R. Q. Grant	do	91.83
1	H. W. Grasse	do	37.40
1	Fred Z. Gozewick	do	89.83
1	Otto B. Hart	do	60.00
1	H. P. Hardin	do	82.76
1	R. M. Hardinge	do	73.82
1	M. L. Hearne	do	100.00
1	E. C. Hobbs	do	91.83
1	N. D. Lane	do	102.83
1	R. O. Lozenby	do	65.40
1	William Lina	do	90.83
1	C. W. Ling	do	82.76
1	John J. McLean	do	102.83
1	P. McDonough	do	70.00
1	P. H. Mell	do	70.00
1	J. H. Melton	do	88.83
1	V. E. Muncy	do	30.00
1	F. Newman	do	100.00
1	Wm. Norrington	do	89.83
1	L. F. Passallaigue	do	87.82
1	J. C. Piercy	do	90.00
1	E. M. Ravenscraft	do	77.82
1	Geo. Reeder	do	80.00
1	T. R. Ryon	do	51.40
1	W. A. Shaw	do	70.00
1	Chas. Stewart	do	101.83
1	J. M. Sherier	do	77.80
1	James P. Sherry	do	89.83
1	J. H. Smith	do	77.80
1	Geo. W. Scott	do	72.76
1	Benj. R. Stuart	do	65.40
1	C. H. Stuller	do	101.83
1	L. M. Tarr	do	91.83
1	Geo. T. Todd	do	77.80
1	L. A. Welsh	do	93.83
1	F. T. Williams	do	90.00
1	J. R. Williams	do	103.83
1	H. E. Wilkinson	do	102.83
1	H. Irvine	Salary from Feb. 1 to 15	44.34
1	W. H. Bailey	Salary for February	50.00
1	Jos. P. Fallihel	do	56.00
1	Wm. Burrows	do	82.76
1	O. T. Stacy	Salary from Dec. 1 to 29, 1892	70.16
1	E. A. Evans <i>et al</i>	Salaries for February	402.16
1	Park Morrill <i>et al</i>	do	373.19

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 1	W. T. Blythe <i>et al</i>	Salaries for February	\$121.40
1	Jno. Grover <i>et al</i>	do	110.76
1	D. Fisher <i>et al</i>	do	153.83
1	Alfred F. Sims <i>et al</i>	do	166.56
1	C. P. Cronk <i>et al</i>	do	295.96
1	Wm. Davis <i>et al</i>	do	157.59
1	W. H. Fallon <i>et al</i>	do	185.66
1	J. Warren Smith <i>et al</i>	do	647.44
1	D. Cuthbertson <i>et al</i>	do	358.60
1	L. N. Jesumofsky <i>et al</i>	do	159.83
1	Jno. W. Bryan <i>et al</i>	do	156.59
1	I. G. Gardiner <i>et al</i>	do	117.83
1	L. M. Pindell <i>et al</i>	do	177.59
1	H. Irvine <i>et al</i>	do	37.40
1	W. B. Stockman <i>et al</i>	do	448.52
1	G. A. Loveland <i>et al</i>	do	106.83
1	E. H. Emery <i>et al</i>	do	392.58
1	S. S. Bassler <i>et al</i>	do	462.64
1	H. A. McNally <i>et al</i>	do	100.00
1	Chas. M. Strong <i>et al</i>	do	331.39
1	F. J. Walz <i>et al</i>	do	190.59
1	J. J. Gilligan <i>et al</i>	do	248.69
1	J. S. Hazen <i>et al</i>	do	222.52
1	B. H. Bronson <i>et al</i>	do	211.36
1	A. J. Davis <i>et al</i>	do	300.83
1	Peter Wood <i>et al</i>	do	163.40
1	I. M. Cline <i>et al</i>	do	353.36
1	Geo. W. Felger <i>et al</i>	do	145.83
1	H. B. Dick <i>et al</i>	do	100.00
1	Frank Ridgway <i>et al</i>	do	179.40
1	W. E. Butler <i>et al</i>	do	158.80
1	E. J. Glass <i>et al</i>	do	143.83
1	Samuel G. Glenn <i>et al</i>	do	199.36
1	C. F. R. Wappenhaus <i>et al</i>	do	292.60
1	E. R. De Vain <i>et al</i>	do	193.23
1	A. J. Mitchell <i>et al</i>	do	170.52
1	P. Conner <i>et al</i>	do	336.68
1	W. H. Scholl <i>et al</i>	do	93.76
1	Henry Pennywitt <i>et al</i>	do	103.83
1	W. U. Simons <i>et al</i>	do	254.39
1	F. H. Clarke <i>et al</i>	do	256.36
1	Geo. E. Franklin <i>et al</i>	do	122.83
1	Frank Burke <i>et al</i>	do	310.12
1	J. N. Ryker <i>et al</i>	do	178.83
1	Geo. Hass Hagan <i>et al</i>	do	113.83
1	W. M. Wilson <i>et al</i>	do	242.59
1	W. L. Moore <i>et al</i>	do	257.56
1	J. H. Harmon <i>et al</i>	do	196.20
1	A. E. Hackett <i>et al</i>	do	95.76
1	Jas. H. Barry <i>et al</i>	do	146.56
1	J. B. Marbury <i>et al</i>	do	261.36
1	B. A. Blundon <i>et al</i>	do	163.83
1	H. J. Cox <i>et al</i>	do	158.83
1	R. E. Kerkam <i>et al</i>	do	443.68
1	E. W. McGann <i>et al</i>	do	123.40
1	E. B. Dunn <i>et al</i>	do	627.18
1	A. B. Crane <i>et al</i>	do	189.80
1	Jas. I. Widmayer <i>et al</i>	do	102.80
1	Geo. E. Hunt <i>et al</i>	do	266.36
1	Julius G. Linsley <i>et al</i>	do	157.59
1	H. F. Alciatore <i>et al</i>	do	105.00
1	W. W. Dent <i>et al</i>	do	149.40
1	E. C. Easton <i>et al</i>	do	107.76
1	L. M. Day <i>et al</i>	do	388.56
1	O. D. Stewart <i>et al</i>	do	238.60
1	E. P. Jones <i>et al</i>	do	231.56
1	B. S. Pague <i>et al</i>	do	309.60
1	W. M. Edmonson	do	117.83
1	C. F. von Hermann <i>et al</i>	do	163.83
1	Arthur L. White <i>et al</i>	do	125.23
1	Thomas Gibson <i>et al</i>	do	116.83
1	P. H. Smith <i>et al</i>	do	166.56
1	James A. Barwick <i>et al</i>	do	128.83
1	G. A. Salisbury <i>et al</i>	do	167.59
1	H. B. Hersey <i>et al</i>	do	147.83
1	P. H. Jenkins <i>et al</i>	do	577.86
1	W. H. Hammon <i>et al</i>	do	518.64
1	B. F. Hough <i>et al</i>	do	149.43
1	Chas. A. Smith <i>et al</i>	do	183.58

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Mar. 1	John Craig <i>et al.</i>	Salaries for February	\$214.59
1	U. G. Pursell <i>et al.</i>	do	93.82
1	Thomas J. Considine <i>et al.</i>	do	111.76
1	J. E. Laanette <i>et al.</i>	do	173.83
1	F. B. Jennings <i>et al.</i>	do	118.83
1	E. B. Hanner <i>et al.</i>	do	171.56
1	J. C. Hayden <i>et al.</i>	do	122.76
1	R. J. Hyatt <i>et al.</i>	do	280.36
1	Fred L. Johnson <i>et al.</i>	do	106.83
1	J. P. Slaughter <i>et al.</i>	do	133.82
1	E. C. Thompson <i>et al.</i>	do	209.52
3	J. W. Marbury	Salary from Feb. 13 to 20	14.00
13	Geo. E. Lewis	Salary for February	20.00
13	Otis Reisinger	Salary from Feb. 20 to 28	18.00
13	U. G. Meyers <i>et al.</i>	Salaries for February	241.56
14	D. C. Murphy <i>et al.</i>	do	157.59
17	Alice Wright	Salary from Mar. 5 to 7	5.00
17	Geo. P. Smellman	Salary from Feb. 21 to Mar. 8	32.00
23	A. B. Sanborn	Salary from Feb. 18 to 28	22.00
25	Lyman R. Hinsdill	Salary from Mar. 2 to 14	22.00
31	Geo. M. Chappel	Salary in March	129.20
31	P. F. Lyons	do	129.20
31	Otis Reisinger	do	62.00
	Total third quarter		81,291.83
Apr. 1	W. W. Neifert	Salary for March	72.30
1	Jno. N. Clery	do	85.00
1	R. G. Allen	do	86.10
1	H. B. Boyer	do	100.00
1	Frank Erwin	do	17.42
1	A. Ashenberger	do	82.76
1	Chas. Adie	do	65.00
1	J. D. Bagden	do	68.76
1	M. H. Bailey	do	50.00
1	H. McP. Baldwin	do	86.10
1	F. H. Bradenbery	do	92.83
1	Wayland Bailey	do	91.83
1	F. R. Beahan	do	85.00
1	Wm. Bell	do	88.82
1	C. L. Bozzell	do	88.83
1	P. J. Bolton	do	87.82
1	Geo. D. Boutcher	do	99.83
1	H. R. Boynton	do	72.76
1	Allen Buell	do	85.76
1	Jno. W. Byram	do	87.83
1	Ford A. Carpenter	do	82.76
1	R. M. Crawford	do	90.00
1	F. W. Conrad	do	68.76
1	M. E. Conway	do	62.00
1	Maurice Connell	do	103.83
1	Thomas S. Collins	do	92.83
1	H. H. Curley	do	72.76
1	A. J. Davis	do	85.00
1	R. S. Dimmick	do	60.00
1	Louis Dorman	do	82.76
1	S. L. Doshier	do	87.83
1	E. L. Douglas	do	82.76
1	S. C. Emery	do	89.83
1	Jos. P. Fallihel	do	62.00
1	John Fitzgerald	do	93.83
1	R. Q. Grant	do	91.83
1	H. W. Grasse	do	41.30
1	Fred. Z. Gosewisch	do	89.83
1	Otto B. Hart	do	60.00
1	H. P. Hardin	do	82.76
1	R. M. Hardinge	do	86.10
1	J. H. Harmon	do	103.30
1	M. L. Hearne	do	100.00
1	E. C. Hobbs	do	91.83
1	N. D. Lane	do	102.83
1	R. O. Lazenby	do	72.30
1	William Line	do	90.83
1	C. W. Ling	do	81.76
1	P. McDonough	do	77.50
1	John J. McLean	do	102.83
1	P. H. Mell	do	77.50
1	J. H. Melton	do	88.83
1	V. E. Muncy	do	30.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 1	F. Newman.....	Salary for March.....	\$100.00
1	William Norrington.....	do.....	89.83
1	L. F. Passallaigue.....	do.....	87.82
1	J. C. Piercy.....	do.....	90.00
1	E. M. Ravenscroft.....	do.....	77.82
1	George Reeder.....	do.....	80.00
1	Chas. Stewart.....	do.....	101.83
1	James P. Sherry.....	do.....	89.83
1	J. H. Smith.....	do.....	86.10
1	George W. Scott.....	do.....	72.76
1	Benjamin R. Stuart.....	do.....	72.80
1	C. B. Stuller.....	do.....	101.83
1	L. M. Tarr.....	do.....	91.83
1	George T. Todd.....	do.....	86.10
1	L. A. Welsh.....	do.....	93.83
1	J. R. Williams.....	do.....	103.83
1	R. O. Williams.....	do.....	41.30
1	G. H. Willson.....	do.....	102.83
1	Park Morrill <i>et al.</i>	Salaries for March.....	391.79
1	J. W. Bauer <i>et al.</i>	do.....	158.63
1	D. Fisher <i>et al.</i>	do.....	153.83
1	Alfred F. Sims <i>et al.</i>	do.....	174.86
1	C. P. Cronk <i>et al.</i>	do.....	315.16
1	W. H. Fallon <i>et al.</i>	do.....	185.66
1	William Davis <i>et al.</i>	do.....	157.59
1	J. Warren Smith <i>et al.</i>	do.....	691.68
1	David Cuthbertson <i>et al.</i>	do.....	313.20
1	L. A. Jesunofsky <i>et al.</i>	do.....	165.83
1	E. H. Emery <i>et al.</i>	do.....	156.58
1	I. G. Gardiner <i>et al.</i>	do.....	117.83
1	L. M. Pindell <i>et al.</i>	do.....	177.59
1	W. B. Stockman <i>et al.</i>	do.....	270.26
1	G. A. Loveland <i>et al.</i>	do.....	106.83
1	H. C. Frankenfield <i>et al.</i>	do.....	523.46
1	S. S. Bassler <i>et al.</i>	do.....	475.24
1	H. A. McNally <i>et al.</i>	do.....	100.00
1	Chas. M. Strong <i>et al.</i>	do.....	336.69
1	F. J. Walz <i>et al.</i>	do.....	190.59
1	J. J. Gilligan <i>et al.</i>	do.....	254.69
1	J. S. Hazen <i>et al.</i>	do.....	245.86
1	B. H. Bronson <i>et al.</i>	do.....	223.96
1	D. C. Murphy <i>et al.</i>	do.....	157.59
1	Peter Wood <i>et al.</i>	do.....	173.30
1	I. M. Cline <i>et al.</i>	do.....	357.96
1	Geo. W. Felger <i>et al.</i>	do.....	151.83
1	H. B. Dick <i>et al.</i>	do.....	107.30
1	W. E. Butler <i>et al.</i>	do.....	173.10
1	R. L. Anderson.....	Salary for Mar. 16 to 31.....	26.67
1	Frank Ridgway <i>et al.</i>	Salaries for March.....	195.30
1	E. J. Glass <i>et al.</i>	do.....	149.83
1	Samuel G. Glenn <i>et al.</i>	do.....	231.96
1	C. F. R. Wappenhaus <i>et al.</i>	do.....	311.20
1	E. R. Demain <i>et al.</i>	do.....	200.13
1	A. J. Mitchell <i>et al.</i>	do.....	170.52
1	P. Connor <i>et al.</i>	do.....	346.58
1	W. H. Scholl <i>et al.</i>	do.....	93.76
1	Henry Pennywitt <i>et al.</i>	do.....	103.83
1	W. N. Simons <i>et al.</i>	do.....	168.86
1	F. H. Clarke <i>et al.</i>	do.....	274.96
1	George E. Franklin <i>et al.</i>	do.....	122.83
1	Frank Burke <i>et al.</i>	do.....	328.72
1	J. N. Ryker <i>et al.</i>	do.....	184.83
1	Geo. Hass Hagan <i>et al.</i>	do.....	113.83
1	W. M. Wilson <i>et al.</i>	do.....	248.59
1	W. L. Moore <i>et al.</i>	do.....	431.06
1	E. A. Beals <i>et al.</i>	do.....	183.60
1	A. E. Hackett <i>et al.</i>	do.....	111.10
1	Jas. A. Barry <i>et al.</i>	do.....	154.86
1	J. B. Marbury <i>et al.</i>	do.....	279.96
1	B. A. Blunder <i>et al.</i>	do.....	176.13
1	H. J. Cox <i>et al.</i>	do.....	164.83
1	R. E. Kerkam <i>et al.</i>	do.....	464.58
1	E. W. McGann <i>et al.</i>	do.....	133.30
1	E. B. Dunn <i>et al.</i>	do.....	564.65
1	A. B. Crane <i>et al.</i>	do.....	124.00
1	James I. Widmeyer <i>et al.</i>	do.....	113.60
1	Geo. Hunt <i>et al.</i>	do.....	278.96
1	Julius G. Linsley <i>et al.</i>	do.....	157.59
1	H. F. Alciatore <i>et al.</i>	do.....	105.00

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Apr. 1	W. W. Dent <i>et al</i>	Salaries for March	\$165.30
1	E. C. Easton <i>et al</i>	do	107.76
1	L. M. Day <i>et al</i>	do	426.82
1	U. G. Meyers <i>et al</i>	do	255.86
1	O. D. Stewart <i>et al</i>	do	263.20
1	E. P. Jones <i>et al</i>	do	245.86
1	B. S. Pague <i>et al</i>	do	342.70
1	W. M. Edmonston <i>et al</i>	do	117.83
1	C. F. von Herrmann <i>et al</i>	do	169.83
1	Arthur L. White <i>et al</i>	do	129.13
1	Thomas Gibson <i>et al</i>	do	116.83
1	P. H. Smyth <i>et al</i>	do	162.90
1	James A. Barwick <i>et al</i>	do	128.83
1	Geo. N. Salisbury <i>et al</i>	do	167.59
1	H. B. Hersey <i>et al</i>	do	153.83
1	P. T. Jenkins <i>et al</i>	do	649.49
1	W. H. Hammon <i>et al</i>	do	464.48
1	E. C. Thompson <i>et al</i>	do	215.52
1	B. F. Hough <i>et al</i>	do	156.83
1	Chas. A. Smith <i>et al</i>	do	183.58
1	John Craig <i>et al</i>	do	220.59
1	U. G. Pursell <i>et al</i>	do	93.82
1	Thomas J. Considine <i>et al</i>	do	111.76
1	J. E. Lanouette <i>et al</i>	do	179.83
1	F. B. Jennings <i>et al</i>	do	118.83
1	E. A. Hanner <i>et al</i>	do	179.86
1	Wm. Burrows <i>et al</i>	do	122.76
1	R. J. Hyatt <i>et al</i>	do	360.96
1	Fred L. Johnson <i>et al</i>	do	106.83
1	F. P. Chaffee <i>et al</i>	do	227.83
1	J. P. Slaughter <i>et al</i>	do	133.82
1	John Grover <i>et al</i>	do	110.76
1	Edward H. Evans <i>et al</i>	Salaries for March	434.56
4	W. T. Blythe	Salary from Mar. 1 to 13 and 22 to 31	51.94
4	F. T. Williams	Salary for March	90.00
4	M. H. Perry	Salary from Mar. 11 to 31	70.34
4	W. A. Shaw	Salary for March	77.50
4	H. J. Penrod	do	129.20
8	A. B. Crane	do	86.10
8	J. W. Schaefer	do	68.76
11	Benj. P. Cooper	Salary from Mar. 7 to 31	16.13
11	H. J. Penrod	Salary from Apr. 1 to 5	20.60
12	Edward Lennox	Salary from Mar. 16 to 24	13.50
18	Wm. A. Oakey	Salary from Mar. 21 to Apr. 6	40.00
18	H. E. Wilkinson	Salary for March	102.83
22	J. H. Young	Salary for Apr. 7	2.50
May 1	Chas. Adie	Salary for April	65.00
1	F. H. Brandenburg	do	92.83
1	M. H. Bailey	do	50.00
1	Wayland Bailey	do	91.83
1	F. R. Beahan	do	85.00
1	Wm. Bell	do	88.82
1	P. J. Bolton	do	87.82
1	Geo. D. Boutcher	do	99.83
1	H. B. Boyer	do	100.00
1	G. Duncan Brossier	do	14.00
1	H. R. Boynton	do	72.76
1	Allen Buell	do	85.76
1	John W. Byram	do	87.83
1	Ford A. Carpenter	do	82.76
1	R. M. Crawford	do	90.00
1	John H. Clery	do	85.00
1	F. W. Conrad	do	68.76
1	Thomas S. Collins	do	92.83
1	M. E. Conway	do	59.30
1	Maurice Connell	do	103.83
1	H. H. Curley	do	72.76
1	A. J. Davis	do	85.00
1	R. S. Dimmick	do	60.00
1	Louis Dorman	do	82.76
1	S. C. Emery	do	89.83
1	Jos. P. Tallihee	do	59.30
1	John Fitzgerald	do	93.83
1	R. Q. Grant	do	91.83
1	H. W. Grasse	do	39.60
1	Fred Z. Gosewisch	do	89.83
1	Otto B. Hart	do	60.00
1	H. P. Hardin	do	82.76
1	R. M. Hardinge	do	82.40

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
May 1	E. A. Brown.....	Salary for April.....	\$68.76
1	J. H. Harmon.....	do.....	98.90
1	M. L. Hearne.....	do.....	100.00
1	E. C. Hobbs.....	do.....	91.83
1	N. D. Lane.....	do.....	102.83
1	R. O. Lazenby.....	do.....	69.20
1	William Line.....	do.....	90.83
1	C. W. Ling.....	do.....	82.76
1	A. Ashenberger.....	do.....	82.76
1	P. H. Mell.....	do.....	74.20
1	J. H. Melton.....	do.....	88.83
1	V. E. Muncy.....	do.....	30.00
1	F. Newman.....	do.....	100.00
1	L. F. Passailaegue.....	do.....	87.82
1	Henry R. Patrick.....	do.....	69.20
1	M. H. Perry.....	do.....	103.83
1	J. C. Piercy.....	do.....	90.00
1	E. M. Ravenscroft.....	do.....	77.82
1	Geo. Reeder.....	do.....	80.00
1	T. R. Ryan.....	do.....	121.30
1	Chas. Stewart.....	do.....	101.83
1	James P. Sherry.....	do.....	89.83
1	J. H. Smith.....	do.....	82.40
1	Benj. R. Stuart.....	do.....	69.20
1	C. H. Stuller.....	do.....	101.83
1	T. M. Tarr.....	do.....	91.83
1	Geo. T. Todd.....	do.....	82.40
1	L. A. Welsh.....	do.....	93.83
1	F. T. Williams.....	do.....	90.00
1	J. R. Williams.....	do.....	103.83
1	R. O. Williams.....	do.....	39.60
1	G. H. Willson.....	do.....	102.83
1	William Norrington.....	do.....	89.83
1	W. A. Shaw.....	do.....	74.20
1	L. H. Murdoch.....	do.....	53.11
1	Park Morrill <i>et al.</i>	Salaries for April.....	383.49
1	W. T. Blythe <i>et al.</i>	do.....	124.40
1	John Grover <i>et al.</i>	do.....	110.76
1	D. Fisher <i>et al.</i>	do.....	153.83
1	Alfred F. Sims <i>et al.</i>	do.....	171.16
1	C. P. Cronk <i>et al.</i>	do.....	365.96
1	W. H. Fallon <i>et al.</i>	do.....	185.66
1	Wm. Davis <i>et al.</i>	do.....	157.59
1	J. Warren Smith <i>et al.</i>	do.....	675.98
1	D. Cuthbertson <i>et al.</i>	do.....	302.20
1	E. H. Emery <i>et al.</i>	do.....	156.58
1	I. G. Gardiner <i>et al.</i>	do.....	117.83
1	L. M. Pindell <i>et al.</i>	do.....	177.59
1	W. B. Stockman <i>et al.</i>	do.....	334.06
1	G. A. Loveland <i>et al.</i>	do.....	106.83
1	H. C. Frankenfield <i>et al.</i>	do.....	591.56
1	S. S. Bassler <i>et al.</i>	do.....	469.64
1	H. A. McNally <i>et al.</i>	do.....	102.50
1	Chas. M. Strong <i>et al.</i>	do.....	404.49
1	F. J. Walz <i>et al.</i>	do.....	190.59
1	J. J. Gilligan <i>et al.</i>	do.....	251.99
1	Geo. M. Chappel <i>et al.</i>	do.....	349.42
1	Edward A. Evans <i>et al.</i>	do.....	420.06
1	B. H. Bronson <i>et al.</i>	do.....	213.36
1	D. C. Murphy <i>et al.</i>	do.....	157.59
1	Peter Wood <i>et al.</i>	do.....	168.90
1	Geo. W. Felger <i>et al.</i>	do.....	149.13
1	I. M. Cline <i>et al.</i>	do.....	346.96
1	H. B. Dick <i>et al.</i>	do.....	104.20
1	W. E. Butler <i>et al.</i>	do.....	216.20
1	Frank Ridgway <i>et al.</i>	do.....	188.20
1	E. J. Glass <i>et al.</i>	do.....	147.13
1	Samuel W. Glenn <i>et al.</i>	do.....	226.36
1	C. F. R. Wappenhaus <i>et al.</i>	do.....	302.90
1	E. R. Demain <i>et al.</i>	do.....	197.03
1	R. J. Mitchell <i>et al.</i>	do.....	170.52
1	P. Conner <i>et al.</i>	do.....	342.18
1	J. D. Blagden <i>et al.</i>	do.....	93.76
1	Henry Pennywitt <i>et al.</i>	do.....	103.83
1	W. U. Simons <i>et al.</i>	do.....	175.16
1	E. H. Clarke <i>et al.</i>	do.....	265.36
1	Geo. C. Franklin <i>et al.</i>	do.....	122.83
1	Frank Burke <i>et al.</i>	do.....	320.42
1	J. A. Ryker <i>et al.</i>	do.....	191.59

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
May 1	S. L. Doshier <i>et al</i>	Salaries for April	\$100.33
1	W. M. Wilson <i>et al</i>	do	245.89
1	Geo. Hass Hagan <i>et al</i>	do	113.83
1	W. L. Moore <i>et al</i>	do	419.06
1	E. A. Beals <i>et al</i>	do	181.56
1	A. E. Hackett <i>et al</i>	do	107.40
1	Jas. A. Berry <i>et al</i>	do	151.16
1	J. B. Marbury <i>et al</i>	do	340.42
1	H. J. Cox <i>et al</i>	do	162.13
1	R. E. Kerkam <i>et al</i>	do	469.28
1	E. B. Dunn <i>et al</i>	do	583.72
1	A. B. Crain <i>et al</i>	do	201.00
1	Jos. I. Widmeyer	do	108.80
1	Geo. E. Hunt <i>et al</i>	do	223.36
1	Julius G. Linsley <i>et al</i>	do	157.59
1	H. F. Alciantore <i>et al</i>	do	105.00
1	E. C. Easton <i>et al</i>	do	107.76
1	L. M. Dey <i>et al</i>	do	417.52
1	U. G. Meyers <i>et al</i>	do	249.46
1	O. D. Stewart <i>et al</i>	do	252.20
1	B. S. Pague <i>et al</i>	do	328.00
1	W. M. Edmondson <i>et al</i>	do	117.83
1	C. F. von Herrmann <i>et al</i>	do	167.13
1	John J. McLean <i>et al</i>	do	132.83
1	Arthur L. White <i>et al</i>	do	127.43
1	Thomas Gibson <i>et al</i>	do	116.83
1	P. H. Smythe <i>et al</i>	do	156.80
1	James A. Barwick <i>et al</i>	do	128.83
1	Geo. N. Salisbury <i>et al</i>	do	167.59
1	H. B. Hersey <i>et al</i>	do	151.13
1	P. T. Jenkins <i>et al</i>	do	633.59
1	W. H. Hammon <i>et al</i>	do	456.18
1	P. F. Lyons <i>et al</i>	do	267.66
1	B. F. Hough <i>et al</i>	do	153.13
1	C. L. Bozzell <i>et al</i>	do	98.83
1	Chas. A. Smith <i>et al</i>	do	183.58
1	John Craig <i>et al</i>	do	217.89
1	Thomas J. Considine <i>et al</i>	do	111.76
1	T. B. Jennings <i>et al</i>	do	118.83
1	J. E. Lanonette <i>et al</i>	do	177.13
1	E. A. Hanner <i>et al</i>	do	176.16
1	Wm. Burrows <i>et al</i>	do	122.76
1	W. W. Neifert <i>et al</i>	do	89.20
1	R. J. Hyatt <i>et al</i>	do	354.96
1	Fred L. Johnson <i>et al</i>	do	106.83
1	I. P. Chaffee <i>et al</i>	do	222.43
1	J. P. Slaughter <i>et al</i>	do	133.82
1	H. E. Wilkinson	Salary for April	102.83
1	W. L. Day	do	75.03
1	W. W. Dent <i>et al</i>	Salaries for April	158.20
1	B. A. Blundon <i>et al</i>	do	173.03
1	E. P. Jones <i>et al</i>	do	180.16
1	U. G. Purssell <i>et al</i>	do	96.68
1	H. McP. Baldwin <i>et al</i>	do	97.40
2	M. C. Finn	Salary from Mar. 16 to Apr. 21	74.00
11	Benj. P. Cooper	Salary for April	20.00
11	E. W. McGann <i>et al</i>	Salaries for April	128.90
11	Matthew Tierney	Salary, Apr. 6 to May 4	58.00
13	Alie Wright	Salary, Apr. 4 to 17	26.00
13	L. N. Jesunofsky <i>et al</i>	Salaries for April	163.13
19	M. S. Patrick	Salary from Apr. 16 to May 15	19.68
June 1	A. Ashenberger	Salary for May	82.76
1	Chas. Adie	do	65.00
1	F. H. Brandenburg	do	92.83
1	Wayland Bailey	do	91.83
1	J. R. Beahan	do	85.00
1	Wm. Bell	do	88.82
1	P. J. Bolton	do	87.82
1	Geo. D. Boutcher	do	99.83
1	H. R. Boynton	do	72.76
1	Allen Buell	do	85.76
1	John W. Byram	do	87.83
1	Ford A. Carpenter	do	82.76
1	Jno. H. Clery	do	85.00
1	F. W. Conrad	do	68.76
1	M. E. Conway	do	61.40
1	Maurice Connell	do	103.83
1	Thomas S. Collins	do	92.83
1	H. H. Curley	do	72.76

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893. June 1	A. J. Davis	Salary for May	\$85.00
1	R. S. Dimmick	do	60.00
1	Louis Dorman	do	82.76
1	S. C. Emery	do	89.83
1	Jas. P. Fallihee	do	61.40
1	John Fitzgerald	do	93.83
1	R. Q. Grant	do	91.83
1	Fred Z. Gosewisch	do	89.83
1	Otto B. Hart	do	60.00
1	H. P. Hardin	do	82.76
1	R. M. Hardinge	do	85.20
1	M. L. Hearne	do	100.00
1	E. C. Hobbs	do	91.83
1	N. B. Lane	do	102.83
1	R. O. Lazenby	do	71.60
1	William Line	do	90.83
1	C. W. Ling	do	82.76
1	John J. McLean	do	102.83
1	J. H. Melton	do	88.83
1	V. E. Muncy	do	30.00
1	William Norrington	do	89.83
1	L. F. Passailaigue	do	87.82
1	Henry R. Patrick	do	71.60
1	M. H. Perry	do	103.83
1	J. C. Piercy	do	90.00
1	E. M. Ravenscroft	do	77.82
1	George Reeder	do	80.00
1	T. R. Ryan	do	61.40
1	Chas. Stewart	do	101.83
1	James P. Sherry	do	89.83
1	J. H. Smith	do	85.20
1	Benj. R. Stuart	do	71.60
1	C. H. Stuller	do	101.83
1	T. M. Tarr	do	91.83
1	George T. Todd	do	85.20
1	L. A. Welsh	do	93.83
1	J. R. Williams	do	101.83
1	R. O. Williams	do	40.80
1	H. E. Wilkinson	do	102.83
1	G. H. Willson	do	102.83
1	M. H. Bailey	do	50.00
1	R. M. Crawford	do	90.00
1	F. Newman	do	100.00
1	F. T. Williams	do	90.00
1	C. A. Pague	do	62.00
1	P. H. Mell	do	76.60
1	H. W. Grasse	do	44.17
1	U. G. Meyers <i>et al.</i>	Salaries for May	249.84
1	Fred L. Johnson <i>et al.</i>	do	106.83
1	F. P. Chaffee <i>et al.</i>	do	226.63
1	J. P. Slaughter <i>et al.</i>	do	133.82
1	B. H. Bronson <i>et al.</i>	do	217.56
1	H. F. Alciatore <i>et al.</i>	do	95.00
1	H. McP. Baldwin <i>et al.</i>	do	115.20
1	Park Morrill <i>et al.</i>	do	389.79
1	W. T. Blythe <i>et al.</i>	do	126.20
1	John Grover <i>et al.</i>	do	110.76
1	D. Fisher <i>et al.</i>	do	153.83
1	Alfred F. Sims <i>et al.</i>	do	173.96
1	C. P. Crook <i>et al.</i>	do	305.60
1	W. H. Fallon <i>et al.</i>	do	185.66
1	Wm. Davis <i>et al.</i>	do	157.59
1	J. Warren Smith <i>et al.</i>	do	605.12
1	D. Cuthbertson <i>et al.</i>	do	310.60
1	L. N. Jesunofsky <i>et al.</i>	do	165.23
1	E. H. Emery <i>et al.</i>	do	156.58
1	I. G. Gardiner <i>et al.</i>	do	117.83
1	L. M. Pindell <i>et al.</i>	do	177.59
1	W. B. Stockman <i>et al.</i>	do	343.16
1	G. A. Loveland <i>et al.</i>	do	106.83
1	H. C. Frankenfield <i>et al.</i>	do	898.20
1	S. S. Bassler <i>et al.</i>	do	473.84
1	H. A. McNally <i>et al.</i>	do	105.00
1	J. H. Harmon <i>et al.</i>	do	122.20
1	Chas. M. Strong <i>et al.</i>	do	417.82
1	F. J. Walz <i>et al.</i>	do	190.59
1	J. J. Gilligan <i>et al.</i>	do	254.09
1	George M. Chappel <i>et al.</i>	do	355.72
1	Edward A. Evans <i>et al.</i>	do	431.16

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
June 1	D. C. Murphy <i>et al.</i>	Salaries for May	\$157.59
1	Peter Wood <i>et al.</i>	do	172.20
1	I. M. Cline <i>et al.</i>	do	355.36
1	Geo. W. Felger <i>et al.</i>	do	151.23
1	H. B. Deck <i>et al.</i>	do	106.60
1	W. E. Butler <i>et al.</i>	do	222.60
1	Frank Ridgeway <i>et al.</i>	do	193.60
1	E. J. Glass <i>et al.</i>	do	149.23
1	Samuel W. Glenn <i>et al.</i>	do	230.56
1	C. F. R. Wappenhaus <i>et al.</i>	do	309.20
1	E. R. Demain <i>et al.</i>	do	199.43
1	A. J. Mitchell <i>et al.</i>	do	170.52
1	P. Conner <i>et al.</i>	do	277.23
1	H. B. Boyer <i>et al.</i>	do	120.20
1	J. D. Bladgden <i>et al.</i>	do	93.76
1	Henry Pennywitt <i>et al.</i>	do	103.83
1	W. N. Simons <i>et al.</i>	do	177.96
1	F. H. Clarke <i>et al.</i>	do	272.96
1	Geo. E. Franklin <i>et al.</i>	do	122.83
1	Frank Burke <i>et al.</i>	do	326.72
1	J. N. Riker <i>et al.</i>	do	191.59
1	S. L. Doshier <i>et al.</i>	do	112.83
1	Geo. Hass Hagen <i>et al.</i>	do	113.83
1	W. M. Wilson <i>et al.</i>	do	247.99
1	W. L. Moore <i>et al.</i>	do	433.16
1	E. A. Beals <i>et al.</i>	do	185.16
1	A. E. Hackett <i>et al.</i>	do	110.20
1	Jas. A. Barry <i>et al.</i>	do	153.96
1	J. B. Marbury <i>et al.</i>	do	346.72
1	B. A. Blundon <i>et al.</i>	do	185.43
1	H. J. Cox <i>et al.</i>	do	164.23
1	Robt. E. Kerkam <i>et al.</i>	do	476.28
1	E. W. McGann <i>et al.</i>	do	132.20
1	E. B. Dunn <i>et al.</i>	do	678.02
1	A. B. Crane <i>et al.</i>	do	208.00
1	Jos. I. Widenger <i>et al.</i>	do	112.40
1	Geo. E. Hunt <i>et al.</i>	do	288.96
1	Julius G. Linsley <i>et al.</i>	do	157.59
1	W. W. Dent <i>et al.</i>	do	163.60
1	E. C. Easton <i>et al.</i>	do	107.76
1	L. M. Dey <i>et al.</i>	do	424.52
1	O. D. Stewart <i>et al.</i>	do	260.60
1	E. P. Jones <i>et al.</i>	do	182.96
1	B. S. Pague <i>et al.</i>	do	339.00
1	W. M. Edmondson <i>et al.</i>	do	117.83
1	C. F. von Herrmann <i>et al.</i>	do	169.23
1	Cyrus Ellenberger <i>et al.</i>	do	91.40
1	Arthur B. White <i>et al.</i>	do	128.63
1	Thos. Gibson <i>et al.</i>	do	116.83
1	James A. Barwick <i>et al.</i>	do	190.23
1	P. H. Smith <i>et al.</i>	do	161.40
1	G. N. Salisbury <i>et al.</i>	do	167.59
1	H. B. Hersey <i>et al.</i>	do	153.23
1	P. T. Jenkins <i>et al.</i>	do	522.79
1	W. H. Hammon <i>et al.</i>	do	482.48
1	P. F. Lyons <i>et al.</i>	do	273.96
1	B. F. Hough <i>et al.</i>	do	155.23
1	C. L. Bozzell <i>et al.</i>	do	108.83
1	Chas A. Smith <i>et al.</i>	do	133.53
1	John Craig <i>et al.</i>	do	219.96
1	U. G. Purssell <i>et al.</i>	do	105.20
1	Thomas J. Considine <i>et al.</i>	do	111.76
1	J. E. Lanonette <i>et al.</i>	do	179.23
1	T. B. Jennings <i>et al.</i>	do	118.83
1	E. A. Hanner <i>et al.</i>	do	178.96
1	Wm. Burrows <i>et al.</i>	do	122.76
1	W. W. Neifert <i>et al.</i>	do	91.60
1	R. J. Hyatt <i>et al.</i>	do	363.36
2	Joseph F. Henry <i>et al.</i>	Salary from April 28 to May 13	28.00
3	A. Shaw	Salary for May	76.60
10	E. B. Burkheimer	Salary from May 26 to 29	5.25
10	C. McGregor	Salary from May 23 to 31	7.26
16	H. S. Nichols	Salary from June 1 to 15	29.67
19	A. J. Wallace	Salary from May 16 to 31	10.32
30	Evelyn B. Baldwin	Salary from June 1 to 25	49.45
	Total for fourth quarter		82,533.12

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental.</i>			
1893.			
July 1	Chas. Adie	Salary for June	\$65.00
1	F. H. Bradenburg	do	92.83
1	M. H. Bailey	do	50.00
1	Wayland Bailey	do	91.83
1	F. R. Beahan	do	85.00
1	Wm. Bell	do	88.82
1	P. J. Bolton	do	87.82
1	Geo. D. Boutcher	do	99.83
1	H. R. Boynton	do	72.76
1	Allen Buell	do	85.76
1	John W. Byram	do	87.83
1	Ford A. Carpenter	do	82.76
1	F. W. Conrad	do	68.76
1	M. E. Conway	do	59.30
1	Maurice Connell	do	103.83
1	Thos. S. Collins	do	92.83
1	Paul Daniels	do	89.83
1	A. J. Davis	do	85.00
1	R. S. Dimmick	do	60.00
1	Louis Dorman	do	82.76
1	S. C. Emery	do	89.83
1	Jos. P. Fallibee	do	59.30
1	John Fitzgerald	do	93.83
1	R. Q. Grant	do	91.83
1	H. W. Grasse	do	49.50
1	Fred. Z. Gosewisch	do	89.83
1	Otto B. Hart	do	60.00
1	H. P. Hardin	do	82.76
1	R. M. Hardinge	do	82.40
1	M. L. Hearne	do	100.00
1	E. C. Hobbs	do	91.83
1	N. D. Lane	do	102.83
1	R. O. Lazenby	do	69.20
1	William Line	do	90.83
1	C. W. Ling	do	82.76
1	P. H. Mell	do	74.20
1	J. H. Melton	do	88.83
1	Louis Muhlnier	do	59.00
1	V. E. Muncy	do	30.00
1	William Norrington	do	89.83
1	L. F. Passailaigue	do	87.82
1	M. H. Perry	do	103.83
1	J. C. Piercy	do	90.00
1	E. M. Ravenscroft	do	77.82
1	Geo. Reeder	do	80.00
1	Chas. Stewart	do	101.83
1	James P. Sherry	do	89.80
1	J. H. Smith	do	82.47
1	Geo. W. Scott	do	72.76
1	Benj. R. Stuart	do	69.20
1	C. H. Stuller	do	101.83
1	L. M. Tarr	do	91.83
1	Geo. T. Todd	do	82.40
1	L. A. Welsh	do	93.83
1	F. L. Williams	do	90.00
1	J. R. Williams	do	103.83
1	G. H. Willson	do	102.83
1	C. McGregor	do	25.00
1	R. O. Williams	do	39.50
1	H. E. Wilkinson	do	102.83
1	C. A. Pague	do	60.00
1	H. H. Cusley	do	72.76
1	R. M. Crawford	do	90.00
1	F. Newman	do	100.00
1	A. Ashenberger	do	82.76
1	W. A. Shaw	do	74.20
1	Leon Guthrie	do	25.00
1	H. McP. Baldwin <i>et al.</i>	Salaries for June	112.40
1	Park Morrill <i>et al.</i>	do	383.49
1	W. T. Blythe <i>et al.</i>	do	124.40
1	Jno. Grover <i>et al.</i>	do	110.76
1	D. Fisher <i>et al.</i>	do	153.86
1	Alfred F. Sims <i>et al.</i>	do	171.13
1	C. P. Cronk <i>et al.</i>	do	297.10
1	W. H. Fallon <i>et al.</i>	do	185.66
1	Wm. Davis <i>et al.</i>	do	157.59
1	J. Warren Smith <i>et al.</i>	do	593.22
1	D. Cuthbertson <i>et al.</i>	do	302.20

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1893.			
July 1	L. N. Jesunofsky <i>et al</i>	Salaries for June	\$163.13
1	E. H. Emery <i>et al</i>	do	156.58
1	I. G. Gardiner <i>et al</i>	do	117.83
1	L. M. Pirdell <i>et al</i>	do	177.59
1	W. B. Stockman <i>et al</i>	do	334.06
1	H. C. Frankenfield <i>et al</i>	do	815.84
1	S. S. Bassler <i>et al</i>	do	469.64
1	H. A. McNally <i>et al</i>	do	105.00
1	J. H. Harmon <i>et al</i>	do	118.90
1	Chas. M. Strong <i>et al</i>	do	415.56
1	F. J. Walz <i>et al</i>	do	190.59
1	J. J. Gilligan <i>et al</i>	do	251.99
1	Geo. M. Chappel <i>et al</i>	do	349.42
1	Edward A. Evans <i>et al</i>	do	429.52
1	B. H. Bronson <i>et al</i>	do	213.36
1	D. C. Murphy <i>et al</i>	do	157.59
1	Peter Wood <i>et al</i>	do	168.90
1	Geo. W. Felger <i>et al</i>	do	149.13
1	H. B. Dick <i>et al</i>	do	104.20
1	W. E. Butler <i>et al</i>	do	216.20
1	Frank Ridgway <i>et al</i>	do	188.20
1	E. J. Glass <i>et al</i>	do	147.13
1	Samuel W. Glenn.....	do	226.36
1	C. F. R. Wappenhaus <i>et al</i>	do	362.20
1	E. R. Demain <i>et al</i>	do	197.03
1	A. J. Mitchell <i>et al</i>	do	170.52
1	P. Conner <i>et al</i>	do	279.42
1	H. B. Boyer <i>et al</i>	do	120.00
1	J. D. Blagden <i>et al</i>	do	93.76
1	Henry Pennywitt <i>et al</i>	do	183.83
1	W. N. Simons <i>et al</i>	do	175.16
1	F. H. Clarke <i>et al</i>	do	266.66
1	George E. Franklin <i>et al</i>	do	122.83
1	Frank Burke <i>et al</i>	do	320.42
1	J. N. Ryker <i>et al</i>	do	191.59
1	Henry R. Patrick <i>et al</i>	do	89.20
1	George Hass Hagan <i>et al</i>	do	196.59
1	W. M. Wilson <i>et al</i>	do	245.89
1	W. L. Moore <i>et al</i>	do	424.06
1	Edward H. Beals <i>et al</i>	do	108.80
1	James H. Barry <i>et al</i>	do	151.16
1	S. L. Doshier <i>et al</i>	do	112.83
1	J. B. Marbury <i>et al</i>	do	281.12
1	B. A. Blundon <i>et al</i>	do	183.03
1	H. J. Cox <i>et al</i>	do	162.13
1	E. W. McGann <i>et al</i>	do	128.90
1	Robert E. Kirkam <i>et al</i>	do	469.28
1	E. B. Dunn <i>et al</i>	do	666.12
1	A. B. Crane <i>et al</i>	do	141.70
1	John J. Wedmeyer <i>et al</i>	do	108.70
1	George C. Hunt <i>et al</i>	do	282.66
1	Julius G. Linsley <i>et al</i>	do	157.59
1	H. F. Alciatore <i>et al</i>	do	95.00
1	W. W. Dent <i>et al</i>	do	158.20
1	E. C. Easton <i>et al</i>	do	107.76
1	L. M. Dey <i>et al</i>	do	417.52
1	U. G. Myers <i>et al</i>	do	214.46
1	O. D. Stewart <i>et al</i>	do	252.20
1	E. P. Jones <i>et al</i>	do	180.16
1	B. S. Pague <i>et al</i>	do	328.00
1	W. M. Edmondson <i>et al</i>	do	117.83
1	C. F. von Herrmann <i>et al</i>	do	167.13
1	John J. McLean <i>et al</i>	do	132.89
1	Arthur L. White <i>et al</i>	do	127.43
1	Thomas Gibson <i>et al</i>	do	116.83
1	P. F. Smyth <i>et al</i>	do	156.80
1	Jas. A. Barwick <i>et al</i>	do	188.13
1	Geo. N. Salisbury <i>et al</i>	do	167.59
1	H. B. Hersey <i>et al</i>	do	151.13
1	P. F. Jenkins <i>et al</i>	do	484.46
1	W. H. Hammon <i>et al</i>	do	451.18
1	P. F. Lyons <i>et al</i>	do	267.66
1	B. F. Hough <i>et al</i>	do	153.13
1	C. L. Bozzell <i>et al</i>	do	108.83
1	Chas. A. Smith.....	do	183.58
1	John Craig <i>et al</i>	do	217.89
1	U. G. Purssell <i>et al</i>	do	102.40
1	Thomas J. Considine <i>et al</i>	do	111.76

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1893.			
July 1	J. E. Lanonette <i>et al</i>	Salaries for June	\$177. 13
1	E. A. Hanner <i>et al</i>	do	176. 16
1	W. M. Burrows <i>et al</i>	do	122. 76
1	W. W. Neifert <i>et al</i>	do	89. 20
1	Fred L. Johnson <i>et al</i>	do	106. 83
1	F. P. Chaffee <i>et al</i>	do	222. 43
1	F. P. Slaughter <i>et al</i>	do	133. 82
1	R. J. Hyatt <i>et al</i>	do	272. 20
1	A. E. Hackett <i>et al</i>	do	107. 40
1	T. B. Jennings <i>et al</i>	do	148. 83
1	I. M. Cline <i>et al</i>	do	346. 96
3	John H. Clery <i>et al</i>	Salary for June	85. 00
3	G. A. Loveland <i>et al</i>	do	91. 83
5	James B. Colson <i>et al</i>	Salary from June 13 to 24	22. 00
7	Joseph F. Henry	Salary from June 15 to 20	10. 00
Aug. 9	F. W. Smith	Salary from June 16 to 30	30. 00
	Total supplemental .....	.....	27, 249. 68

RECAPITULATION.

Total first quarter	\$54, 960. 56
Total second quarter	81, 622. 98
Total third quarter	81, 291. 83
Total fourth quarter	82, 533. 12
Supplemental	27, 249. 68
Total	327, 659. 17

WEATHER BUREAU STATIONS ON MIDDLE AND THUNDER BAY ISLANDS, IN LAKE HURON.

Date.	Name.	Nature of payment.	Total.
1892.			
Sept. 14	E. L. Bugbee	Traveling expenses, August	\$37. 32
26	Detroit, Bay City and Alpena R. R. Co.	Transportation	7. 55
26	Pennsylvania R. R. Co.	do	14. 25
	Total first quarter .....	.....	59. 12
Oct. 19	Michigan Central R. R. Co	Transportation	7. 55
Nov. 25	O'Brien & Sleator	Furnishing names in Middle Isle	1. 00
25	Joseph H. Cobb	Repairing papers for telegraph line	2. 00
Dec. 1	J. C. Denton	Electric supplies	59. 25
1	Standart Bros.	Wire nails, etc	9. 28
9	The Detroit and Cleveland Steam Navigation Co.	Transportation	13. 00
10	Telephone and Telegraph Construction Co.	Galvanized iron wire	10. 85
10	Paul D. Connor	Services and expenses, November	127. 50
14	G. W. Isaacson	Services, Nov. 15 to 30	27. 00
14	T. Hooley	Services, Nov. 17 to 30	28. 75
14	Frank Burns	do	23. 00
14	F. M. Ellsworth	Services, Nov. 17 to 26	21. 25
14	A. E. Isaacson	Services, Nov. 17 to 30	23. 00
14	Jas. H. Burns	do	21. 00
14	J. McCosh	do	23. 00
	Total second quarter .....	.....	397. 43
1893.			
Jan. 2	Joseph H. Cobb	Repairing papers for telegraph lines	8. 00
11	T. Hooley <i>et al</i>	Salaries, November and December	377. 12
11	Potter Bros	Dynamite cartridges, etc	46. 62
11	James C. Denton	Telegraph poles	329. 40
11	James E. Denton	Hire of team, etc	90. 10
11	Monaghan & Co	Telegraph poles	292. 80
11	Paul D. Connor	Expenses, etc., November and December	151. 20
17	D. H. Youngs	Services, Nov. 17 to Dec. 24	40. 50
17	Michigan Central R. R. Co	Transportation	7. 55
23	Thompson C. Gill & Co	Iron galvanized wire	358. 80
23	Bishop Gutta Percha Co.	Telegraph cable	7, 500. 00
Feb. 2	Baltimore and Ohio R. R. Co.	Transportation	14. 25

Expenditures Department of Agriculture for fiscal year ending June 30, 1893—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1893.			
Feb. 7	J. E. Denton	Hauling, etc	\$75.00
11	Detroit, Bay City and Alpena R. R. Co.	Transportation	8.75
	Total third quarter		9,300.09
Apr. 14	Pennsylvania Co.	Transporting P. D. Connor, Dec. 30	13.50
June 12	Royce & Marean	Electrical supplies	92.10
	Total fourth quarter		105.60
July 3	J. E. Denton	Telegraph poles, etc	87.50
3	Patrick Eagan	do	13.20
7	Paul D. Connor	Services for June	100.00
Aug. 10	Pennsylvania R. R. Co.	Transporting J. W. Connor in May	20.60
11	Thomas F. Hooley <i>et al</i>	Salaries for June	194.75
11	Fred M. Ellsworth <i>et al</i>	Salaries for July	150.00
11	Donald McKenzie	Services and material, July 25	45.36
11	do	Meals and lodging for P. D. Connor, June 6 to 9.	9.26
11	Chas. Golling	Meals and lodging, June 1 to 22	42.75
11	F. W. Gilchrist	Hire of tug, etc., July 7	260.00
11	James M. Johnson	Building shed	15.00
11	John D. Persons	Meals and lodging furnished J. D. Connor, June 12 to 17.	35.00
11	Paul D. Connor	Salary and expenses, May to August	98.32
11	J. E. Denton	Services and material, July 10 to 31	46.55
11	do	Livery hire, June and July	122.00
17	Monaghan & Co	Telegraph poles	3.00
17	James Helpes	Repairing drills, etc	4.30
17	James M. Johnson	Labor and material	21.65
17	Potter Bros.	Hardware, etc	61.93
24	Detroit, Bay City and Alpena R. R. Co.	Transporting P. D. Connor, July 22	7.55
Sept. 2	Fred A. Rice	Locating telegraph poles	2.50
2	Arthur Jermin	Removing telegraph poles	2.00
2	James McLennan	do	10.12
2	Geo. L. McDonald	do	10.12
2	J. E. Denton	Hire of team	6.00
2	Fred W. Hagan	Cartridges, etc	3.75
2	Owen Fox	Removing telegraph poles	7.50
2	E. C. Ewer	Transferring wires	2.00
13	Michigan Central R. R. Co.	Transporting P. D. Connor, July 23	14.25
13	Steam Gauge and Lantern Co.	Lanterns	86.00
Oct. 2	Bishop Gutta Percha Co.	Electricians' traveling expenses, July	172.70
	Total supplemental		1,666.00

RECAPITULATION.

Total first quarter	\$59.12
Total second quarter	397.43
Total third quarter	9,300.09
Total fourth quarter	105.60
Supplemental	1,666.00

Total 11,528.24



